

JUMBO ANNIVERSARY ISSUE

75
YEARS

Model Railroader®

January 2009
www.ModelRailroader.com

How to build a sectional layout

Rectangle? Linear? Corner?
This realistic HO brewery
layout does it all!

HOW TO:

- Construct a small town
- Weather cars in one hour
- Operate with a timetable
- Pave roads using decals
- Pick the right DCC throttle

PLUS:

- John Armstrong Pennsylvania RR track plan
- Looking back at John Allen's Gorre & Daphetid Line
- Final visit to Allen McClelland's Virginian & Ohio RR

WIN
A LIFETIME
SUBSCRIPTION
See page 34



The staff shows you how
to build Milwaukee's famed
"Beer Line" in HO scale.
See page 44

\$5.95



NOW ARRIVING FROM ATLAS MODEL!



ATLAS MASTER® HO C420 PHASE I LOCOMOTIVE

New Paint Schemes!

- Available in Silver (NMRA 8-pin plug for DCC) or Gold (DCC/sound) Series
 - Long hood with or w/o dynamic brake detail†
 - 3,100 gallon fuel tank
 - Etched metal radiator walkway
- †as appropriate per road name

Check out these Paint Schemes!

Low Nose: Delaware & Hudson, Lehigh Valley, Norfolk & Western

High Short Hood: Long Island, Susquehanna, Virginia & Maryland, Livonia Avon & Lakeville

www.atlasrr.com/HOLoco/hoc420b.htm



ATLAS TRAINMAN® HO AAR 70 TON 3-BAY OPEN HOPPER

New Paint Schemes & Road Numbers!

- True scale dimensions with accurate details
- Removable coal load
- Accurate painting and lettering
- Weighted, detailed underframes

Check out these Paint Schemes!

Rio Grande, Chessie System (C&O)*, New Haven, Southern, Cambria & Indiana, Chicago & Eastern Illinois, Penn Central, Reading, Seaboard Coast Line*,

www.atlastrainman.com/HOFreight/tmho70tonhopper.htm

*CSX Licensed Product

Products bearing Union Pacific (UP), Rio Grande (D&RGW), or Chicago & Eastern Illinois (C&EI) marks are made under trademark license from Union Pacific Railroad Company

To find an Atlas dealer, go to <http://locator.atlasrr.com> Get a copy of the Atlas Quarterly Catalog at your LHS or visit www.atlasrr.com

Atlas Model Railroad Co., Inc • 378 Florence Avenue • Hillside, NJ 07205 • www.atlasrr.com



NEW TRAINMAN® HO SCALE TRAIN SETS & TRUE-TRACK®!

TRAIN SET MSRP: \$175.00

GP38-2 - CSX* • Union Pacific RS36 - Delaware & Hudson • Norfolk & Western



www.atlastrainman.com/HOLoco/tmhotrainset1.htm

TRUE-TRACK® ADD-ON PACK MSRP: \$24.95

Combines with set to form a figure eight layout

TRUE-TRACK® FEATURES:

Code 83 "Snap Track"™ with realistic roadbed.

Easy to use, quick set up and ready-to-run

Track can be removed from roadbed if desired



TRAIN SET INCLUDES: 4' x 3' oval layout, Power Pack, Locomotive, Matching Caboose & Freight Car Assortment: (CSX* & D&H Sets) Box Car, Gondola, Covered Hopper, (UP Set) 3 CNW Thrall 4750 Hoppers, (N&W Set) 3 N&W 3-Bay 70 Ton Coal Hoppers **A TOTAL VALUE OF \$205!**



NORSCOT SCALE MODELS

INTRODUCING FOUR NEW 1:87 SCALE COMBOS!



Just in from Norscot: Truck, trailer and machine combos in 1:87 scale for collectors and HO gauge model railroaders. All feature Peterbilt Model 389 trucks and Trail King lowboy trailers carrying Cat® machines – a Cat D5M Track-Type Tractor, Cat 163H Motor Grader, Cat 950G Series II Wheel Loader, and Cat 315C L Hydraulic Excavator.

Look for these and other Norscot models at participating Cat® dealers and retailers everywhere. Collect them all!



© 2008 Caterpillar

CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow" and the POWER EDGE trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission. Third-party trademarks are the property of their respective owners.

www.cat.com

Norscot, a licensee of Caterpillar Inc.

Peterbilt trademarks licensed by PACCAR Inc, Bellevue, Washington, U.S.A.

© 2008 Trail King Industries, Inc.

NORSCOT is a registered trademark of Norscot Group, Inc.



On the cover: Considering *Model Railroader's* 75th anniversary and its Milwaukee heritage, the MR staff chose the Milwaukee Road's famous "Beer Line" as a fitting subject for our latest project layout. Jim Forbes photo

- 6 Thank you for 75 years**
From the Editor by Neil Besougloff
- 8 News & Products**
The iHobby Expo report by Steven Otte
- 22 Railway Post Office**
Letters from our readers by Eric Stelpflug
- 24 More on intermodal containers**
Information Desk by Jim Hediger
- 30 Removable scrap loads**
Workshop by Jim Hediger
- 38 Model a harbor scene**
Step by Step by Cody Grivno
- 43 Special delivery**
Celebrating 75 years of *Model Railroader*
by Neil Besougloff ▶ Online bonus ModelRailroader.com
- 44 Build the Beer Line**
Part 1: Planning and building sectional benchwork
by Cody Grivno ▶ Online bonus ModelRailroader.com
- 52 Fairbanks, Morse & Co. coal tower**
Prototype drawings for an unusual railroad structure
by Harold Russell

- 58 One last visit to the V&O**
An era that began in 1957 comes to a close
by Tony Koester
- 61 Virginian & Ohio retrospective**
A letter to the V&O shareholders from the CEO
by Allen McClelland
- BUILD A SCENE CONTEST**
- 66 Eureka! A town is born**
Part 1 of the first place winner's project
by Gerry Leone
- 72 Big-time operations on the Pennsy**
A multi-deck O scale plan that features mainline action
by John Armstrong ▶ Online bonus ModelRailroader.com
- 77 Operate your layout using a timetable**
Adjust time and distances for model railroad use
by Tony Koester
- 80 Build the parlor car *Calverton***
Modeling a Pullman car built for daytime travelers
by John Pryke
- 86 Landmark Layouts**
John Allen's fabulous Gorre & Daphetid
by Andy Sperandeo ▶ Online bonus ModelRailroader.com
- 92 1-hour weathering**
Add realism quickly with paints and powdered pastels
by Pelle Søeborg
- 96 Modeling roads with decals**
Computers transfer textures from street to layout
by Lance Mindheim
- 100 Tips for using throttles on your layout**
DCC Corner by Mike Polsgrove
- 104 Product Reviews**
Walthers' HO scale Fairbanks-Morse H-10-44 and more
by Dana Kawala ▶ Online bonus ModelRailroader.com
- 124 Trackside Photos**
- 130 Visiting an old friend**
Trains of Thought by Tony Koester
- 144 Running mixed trains**
The Operators by Andy Sperandeo
- 145 Index of Advertisers**

Coming next issue: *Model Railroader's* Cody Grivno shows you how to model a large body of water on our Milwaukee, Racine & Troy club layout.

JusTrains

Info (302) 453-0465

Orders (888) 453-9742

Mon-Fri 9-6 Sat 11-3

Most Orders Ship in 24 Hours

Free Shipping over \$200

215 Newark Shopping Center

Newark, DE 19711

Store open 7 days a week

MC VISA DISC. AMEX

MTH Largest Dealer

2008 HO Product



SP 4-8-4 GS-4 Daylight 385



SP Daylight 8-Car Passenger 449



SP Articulated 2-Pk 119 Chair Car 64



BNSF or Am. Freedom GS-4 385



WP GS-6 4-8-4 w/PS 3.0 385



SP GS-6 4-8-4 Black 2# 385



PRR K-4 4-6-2 2#, PS 3.0 299



NYC 4-8-2 L-3a, b or c Mohawk 385



NYC 4-8-2 L-4a or 4b Mohawk 385



USRA Light Mikado w/PS 3.0 385
PRR, UP, NYC, B&O, Unlet



SD70Ace Diesel w/PS 3 229 Bush
CSX, KCS, BNSF, Demo, MRL,



UP, MP, WP, MKT, DRG, CNW, SP



SD70M-2 Diesel w/PS 3.0 3# 229
EMD, FEC, UP, CN, FEC, NS

Sunset Models

SP&S E-1 #700 4-8-4 615



NP A-3 (open cab) 4-8-4 615

NP A-4 (grey boiler) 4-8-4 615

NP A-5 (black boiler) 4-8-4 615

CP T1c Selkirk 2-10-4 745

CP T1a Unstreamlined 2-10-4 745



SP M-6 120-C-6 Tender 615

SP M-9 120-C-6 Tender 615



Z-6 4-6-6-4 Challenger 935

NP, SP&S, GN



CB&Q 4-8-4 O-5 (open cab) 615

CB&Q 4-8-4 O-5a/b (closed cab) 615

NYC P-2 Electric 615

Cleveland Union Terminal 615

N&W K-2a Streamline 4-8-2 615



NSL Electroliner 615

Red Arrow Lines Libertyliner 615

MTH HO Freight



60' Wood Deck Flat Car 23 UP

BNSF, BN, CN, GN, SF, Sou, TTX



60' Flat /950G Wheel Loader 26 UP

BNSF, BN, CN, GN, SF, Sou, TTX



Above with 163H Motor Grader 26



Above with 315C Excavator 26

DCS Remote Control System 249

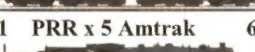


DCS Commander Controller 129

MTH #1 Gauge

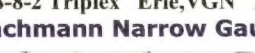


GG-1 PRR x 5 Amtrak 655

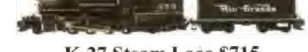


2-8-8-8-2 Triplex Erie, VGN 1049

Bachmann Narrow Gauge



K-27 Steam Loco \$715



DRGW #453, #464, #463, RGS, Unlet

Korber HO Towers \$9.95



#125

#126

#128



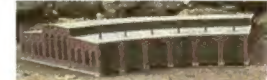
Korber HO Gen Lt & Power \$125

Korber "O" Models

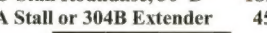
USA Made



302 One Stall Diesel Shed 69



304 3-Stall Roundhse, 30"D 189



304A Stall or 304B Extender 45



3115 Grain Silo 7 x 34 x 22 135

315 Grain Silo, 7 x 19 x 22 85



320 3-Stall Roundhouse 24" 159



908 Shanahan Frt 20 x 8 x 9H 75



921 JLC Manufacturing 65



950 American Flag 14 x 9 69



953 Joe's Pickle Fact 14 x 9 69



954 Buck Isl Canning 8 x 12 59

Korber "O" Models

USA Made



955 RJK Tool & Die 9 x 14 65



956 James Co. 13 x 8 x 9H 55



959 Midland Supply 8 x 6 35



969 Gen Lt & Pwr Office 69

Lionel American Flyer

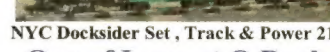
Blow-Out



C&O Mikado TMCC \$349 Save \$300



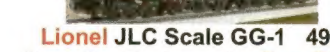
B&O Pacific TMCC \$349 Save \$300



NYC Dockside Set, Track & Power 219



Lionel JLC Scale GG-1 499

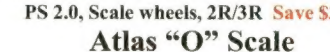


Operating Pantographs Save \$400

MTH "O" Scale



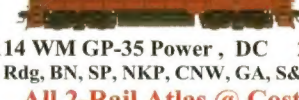
MTH N&W Class A 2-6-6-4 1095



PS 2.0, Scale wheels, 2R/3R Save \$300

Atlas "O" Scale

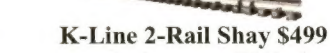
Blow-out



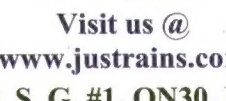
2114 WM GP-35 Power, DC 275



Rdg, BN, SP, NKP, CNW, GA, S&A



All 2-Rail Atlas @ Cost



K-Line 2-Rail Shay \$499

Lackawanna, PLC

Visit us @

www.justrains.com

O, S, G, #1, ON30, HO

From the Editor

Thank you for 75 years

Neil Besougloff, Editor



Thank you. We wouldn't be celebrating 75 years of *Model Railroader* magazine with this special issue if we didn't have enthusiastic support from you and thousands of fellow model railroaders, both old and new. Again, thank you.

If I can trust my pocket calculator and my high school math skills, over the course of 75 years *Model Railroader* magazine has been a part of the lives of at least two million people. Wow, heady stuff.

For this anniversary, we rounded up the best stories by our best authors and on the best subjects. The table of contents is practically a page out of the *Who's Who of Model Railroading* book: a previously unpublished track plan from John Armstrong, a final visit to Allen McClelland's Virginian & Ohio RR, timetable advice from Tony Koester, weathering tips from Pelle Søborg, scale drawings of a coaling tower from Harold Russell, and a look back at John Allen's fabulous Gorre & Daphetid layout.

In the pages of this issue are also fresh ideas, like Lance Mindheim's digitally created street decals and the sectional Milwaukee Road brewery layout our managing editor David Popp dreamed up and the staff built.

This issue also contains stories on important techniques, like John Pryke's instructions on kitbashing an HO scale parlor car,

Gerry Leone's town-building methods (his story won first prize in our build-a-scene contest), associate editor Cody Grivno's step-by-step harbor modeling, and our DCC columnist Mike Polsgrove's throttle tips.

Model Railroader subscribers also have access to anniversary extras on ModelRailroader.com, including an audio clip of John Allen in 1971 discussing car movement on the Gorre & Daphetid, a video interview of MR executive editor Andy Sperandeo on being a then-young member of Allen's operating crew, and two audio clips of an interview with influential former MR editor Linn Westcott, taped in 1977.

All readers can go to our Web site and watch a short movie from the 1940s that shows how MR is made (be sure to check out the clunky Dictaphone machine Al Kalmbach is using). There also are two delightfully campy clips from model railroading promotional films of the 1970s (watch for the dancing showgirls).

So shoo the dog off your favorite chair, turn on a reading lamp, and enjoy this special 75th anniversary issue. And don't forget our Web site subscriber extras, designated by the MR+ logo.

NEIL BESOUGLOFF

Contributing to *Model Railroader*

We welcome contributions from our readers, including articles, photographs, and prototype drawings. For detailed information on submitting material to MR, contact our editorial associate Eric Stelpflug at 262-796-8776, ext. 583, or mrmag@mrmag.com. *Model Railroader* assumes no responsibility for the safe return of unsolicited material. We assume unsolicited material is intended for publication by Kalmbach Publishing Co. unless otherwise noted. We assume letters, questions, news releases, and club news items are contributed gratis.

Dream it. Plan it. Build it.

Founder

A.C. Kalmbach 1910-1981

Editor
Executive Editor
Art Director
Managing Editor
Senior Editor
Associate Editor
Associate Editor
Associate Editor
Editorial Associate
Editorial Intern
Contributing Editor
Contributing Editor
Graphic Designer
Graphic Designer
Illustrator
Illustrator
Illustrator
Illustrator
Illustrator
Photography Supervisor
Photographer

Neil Besougloff
Andy Sperandeo
Thomas G. Danneman
A. David Popp
Jim Hediger
Dana Kawala
Cody Grivno
Kent Johnson
Steven Otte
Eric Stelpflug
Maria Novotny
Tony Koester
Lionel Strang
Drew Halverson
Craig Schneider
Rick Johnson
Jay W. Smith
Theo Cobb
Roen Kelly
Kellie Jaeger
William Zuback
Jim Forbes

Publisher

Terry D. Thompson

CELEBRATING 75 YEARS KALMBACH PUBLISHING CO. SINCE 1934

Kalmbach Publishing Co.

| | |
|--------------------------------|---------------------|
| President | Gerald B. Boettcher |
| Executive Vice President | Charles R. Croft |
| VP, Editorial | Kevin P. Keefe |
| VP, Advertising | Scott Stollberg |
| VP, Marketing | Daniel R. Lance |
| Corporate Art Director | Maureen M. Schimmel |
| Managing Art Director | Mike Soliday |
| Advertising Director | Scott Bong |
| Ad Sales Manager | Scott Redmond |
| Ad Sales Representative | Martha Stanczak |
| Ad Services Manager | Sara Everts |
| Ad Services Representative | Amanda Finch |
| Production Manager | Annette Wall |
| Production Coordinator | Cindy Bader |
| Corporate Circulation Director | Michael Barbee |
| Group Circulation Manager | Catherine Daniels |
| Circulation Specialist | Kristin Johnson |
| Circulation Coordinator | Maggie Sketch |
| Single Copy Sales Director | Jerry Burstein |

Editorial offices

Phone: 262-796-8776
Fax: 262-796-1142
E-mail: mrmag@mrmag.com
Web site: www.modelrailroader.com

Advertising

Advertising inquiries: 888-558-1544, ex. 643
Fax: 262-796-0126
Advertising e-mail: adsales@mrmag.com

Selling *Model Railroader* magazine or products in your store:

Phone: 800-558-1544, ex. 818
Outside U.S. and Canada: 262-796-8776, ex. 818
Fax: 262-798-6592
E-mail: tss@kalmbach.com
Web site: www.Retailers.Kalmbach.com

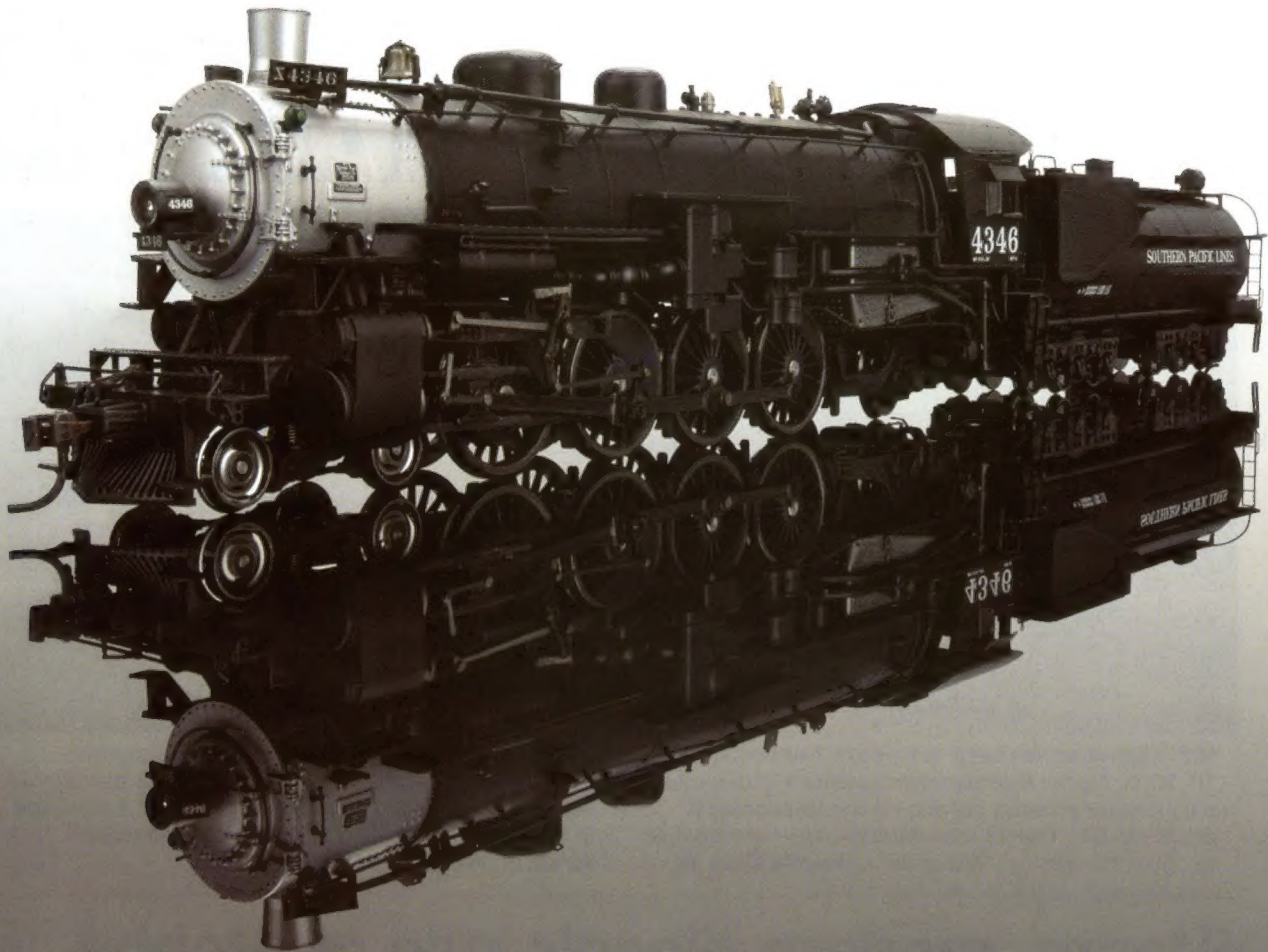
Customer Sales and Service

Phone: 800-533-6644
(Weekdays 8:30 a.m. to 5:00 p.m. CT)
Outside U.S. and Canada: 262-796-8776
Fax: 262-796-1615
E-mail: customerservice@kalmbach.com

SUBSCRIPTION RATE: U.S.: 1 year \$42.95; 2 years \$77.95; 3 years \$107.95. Canadian: 1 year \$52.95; 2 years \$97.95; 3 years \$137.95. Canadian price includes additional postage and GST, payable in U.S. funds. All other international subscriptions: 1 year \$62.95; 2 years \$117.95; 3 years \$167.95. International price includes additional postage, payable in U.S. funds drawn on a U.S. bank. BN 12271 3209 RT. Expedited delivery available for additional \$40 domestic first class, Canadian air; \$75 international air. © 2008, Kalmbach Publishing Co. Title registered as trademark. All rights reserved. Periodicals postage paid at Waukesha, Wis., and additional offices. Canadian second-class postal permit no. 9507. Microfilms of *Model Railroader* are available from ProQuest Information and Learning, 800-521-0600; <http://proquest.com>.



KALMBACH
PUBLISHING CO.



The MT-4 You've Been Waiting For

One of the year's most highly anticipated model railroading events is happening now. For months, train buffs have been waiting for the state-of-the-art MT-4 4-8-2 steam locomotive from Genesis. The first production run is certain to sell out quickly, so order yours now before they're gone.

Each Genesis® MT-4 is meticulously designed to resemble the intrepid steamers that rolled out of Sacramento during the 1920s, right down to the authentic numbering. Choose from rich DCC sound

versions or non-sound models that come DCC-ready with 8- and 9-pin plugs installed. Directional lighting, a fully detailed boiler backhead with printed gauges, and individually applied detail parts such as piping, valves and generators make the MT-4 an essential component of any old-time HO layout.

Get to your neighborhood hobby store to see all 12 Genesis models, or see the entire line today at www.Athearn.com.

WITH SOUND, MSRP \$399.98

Painted, unlettered
Southern Pacific Lines #4346*
Southern Pacific Lines #4347*
Southern Pacific Lines #4348*
Southern Pacific Lines #4350*

G97000
G97001
G97002
G97003
G97004

WITHOUT SOUND, MSRP \$299.98

Painted, unlettered
Southern Pacific Lines #4346*
Southern Pacific Lines #4347*
Southern Pacific Lines #4348*
Southern Pacific Lines #4350*

G97050
G97051
G97052
G97053
G97054

*UNION PACIFIC TRADEMARKS ARE USED UNDER LICENSE.

HORIZON

© 2008 Horizon Hobby, Inc. Genesis® products are distributed exclusively by Horizon Hobby, Inc. For additional information or your nearest Genesis dealer, call toll-free 877-504-0233.

12292

News & Products



MR 75th anniversary 1:1 scale boxcar. On Oct. 10, 2008, *Model Railroader* magazine's 75th anniversary boxcar entered service on the Wisconsin & Southern RR. The 52-foot double-plug-door boxcar, no. 503175, was painted at the railroad's shop in

Horicon, Wis. The car is part of WSOR's canned-goods fleet and has the potential to travel throughout the United States. If you see the car, post a message in the "Where are the MR anniversary boxcars?" forum at www.ModelRailroader.com.

Steam, modern diesels rule at iHobby

Steam locomotives and modern diesels were the most prevalent models exhibited at the 24th annual iHobby Expo show in Rosemont, Ill., in October.

One example was Broadway Limited Imports, which showed off both a new General Electric AC6000 diesel (see page 10) and a Pennsylvania RR IIsa 2-10-0 Decapod steam locomotive in HO scale. Both locomotives were offered with lighting variations that matched their prototypes. Broad-

way Limited also offered a variety of tender lettering and feed water heater options on its New York Central J1d and J1e 4-6-4 Hudsons.

Walthers also had new steam engines to show off, in both HO and N scale. A 2-8-8-2 Mallet will be offered in a United States Railway Administration version in HO scale, and as a class Y3 model in N scale.

The Electro-Motive Division SD70 was a popular prototype, with models being exhibited by Kato USA and MTH Electric Trains.

MTH also showed off an HO scale 2-8-2 Mikado steamer, pictured on page 11.

Urban transit was another common theme, with Walthers and Atlas O offering modern subway and light-rail cars.

N scale railroaders saw their fair share of new products at the show, among them Bachmann's General Electric 44-ton switcher, Con-Cor's AeroTrain and M-10000 passenger train sets, Walthers' coal tipple kit, vehicles from Classic Metal Works, and Micro-Trains' first motorized track-cleaning car, developed with Many New Products.

You can see these and other new products starting on page 10. Our full show report is online at www.ModelRailroader.com.

Highlighted in this issue

- 11 "Harley's Hardware" HO scale kit from GC Laser
- 12 JTT-MicroScale Super Scenic trees and tree kits
- 14 Piko large-scale train set from Silvergate Distributors
- 16 List of manufacturers in this month's News & Products

Absent LGB trains to return in 2009

Märklin has acquired the North American distribution rights to LGB products, Märklin announced at the opening day of the iHobby Expo hobby trade show Oct. 16.

Märklin is working on marketing and distribution plans for LGB products. The company expects to

return LGB's large-scale locomotives, cars, structures, and scenic items to the North American market in early 2009.

German-based Märklin is in its 150th year and manufactures trains and related products from Z scale through G scale.

Steven Otte

World's Greatest Hobby on Tour shows scheduled

Veteran model railroaders and those new to the hobby alike can see the best of what model railroading has to offer at The World's Greatest Hobby on Tour. This family-oriented train show is coming to five cities across the nation in 2009.

Sponsored by the Model Railroad Industry Association and by the World's Greatest Hobby program, the show is intended to introduce the general public to model railroading in an entertaining, lively, and family-friendly atmosphere. The organizers hope to create new train enthusiasts by showcasing model railroading to the public.

Shows slated for this year are:

- Philadelphia, Pa., Jan. 3-4, Greater Philadelphia Expo Center, Oaks, Pa.

- Nashville, Tenn., Feb. 14-15, Nashville Convention Center

- San Antonio, Texas, Feb. 21-22, Henry B. Gonzalez Convention Center

- Cleveland, Ohio, March 14-15, IX Center

- Seattle-Tacoma, Wash., Western Washington Fairgrounds, Puyallup, Wash. (dates tentative)

More information is available online at www.wghshow.com.

Convention calendar

January 23-25: Winterfest (Northeast NTrak convention). Eastern States Exposition, West Springfield, Mass. www.northeastntrak.org/winterfest/

January 29-31: O Scale West 2009. Hyatt Regency Santa Clara, Santa Clara, Calif. www.oscalewest.com

Feb. 25-28: 2009 Sn3 Symposium. La Quinta Inn Clearwater Central, Clearwater, Fla. www.sn3.org/2009/

Now on www.ModelRailroader.com



New video series



The *Model Railroader* staff shows you some of the techniques used to build the HO scale Milwaukee Road Beer Line, our 2009 project layout.

Legendary layout: John Allen's Gorre & Daphetid



Download track plans for the G-D Line. Subscribers can also hear comments from John Allen and watch executive editor Andy Sperandio talk about operations on the layout.

FREE Online forums

Interact with fellow members of the model railroad community. Sign up on the Web and explore the hobby.

FREE e-mail newsletters

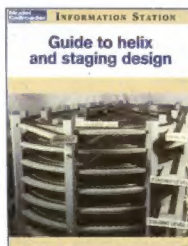
Sign up on the Web, and each week you'll receive the latest hobby news, links to online extras, and more!

New from the Information Station

Featured article collection

Guide to helix and staging design

You'll find six articles showing the basics of helix construction and adding staging to large and small layouts.



Featured video article

Adding a DCC decoder to a locomotive



**iHobby
Expo
special!**



HO and N scale 2-8-8-2 steam locomotives. Walthers showed production samples of its new Mallet in HO and N scales. Though the HO scale United States Railroad Administration 2-8-8-2 shown was unlettered, the Proto 2000 model will be available bearing the heralds of the Clinchfield, Denver & Rio Grande Western, Norfolk & Western, Northern Pacific, and Virginian. It will be offered as a direct-current model for \$439.98, or equipped with a dual-mode Digital Command Control sound decoder for \$549.98. In N scale, the Proto N Y3 Mallet will be offered in Santa Fe, Pennsylvania RR, N&W, Union Pacific, and Virginian livery. It comes as a DC model for \$224.98 or equipped with sound and DCC for \$324.98.



HO scale General Electric AC6000 diesel locomotive. Broadway Limited Imports showed off its latest modern diesel model at the iHobby Expo show in October. In addition to the Canadian Pacific Golden Beaver scheme shown, the locomotive is decorated for BHP Billiton (two schemes available), CSX, General Electric demonstrator, Green Machine, Southern Pacific, and Union Pacific. The Digital Command Control-equipped models come with built-in sound and retail for \$249.99.



N scale motorized track-cleaning boxcar. This Chicago, Burlington & Quincy 40-foot hi-cube steel boxcar model houses a motor that drives a circular cleaning pad between the trucks. Micro-Trains Line Co. and Many New Products, who teamed up to produce the car, call it the first of its kind in N scale. The car retails for \$119.95.

HO scale locomotives

General Electric U30B Phase 2 diesel locomotive. Chesapeake & Ohio; Chicago, Burlington & Quincy; CSX; Nashville & Western; and Norfolk & Western. Also available undecorated with four variations of nose, trucks, and headlight. Five-pole skew-wound motor with dual flywheels, wire and etched-metal parts, and railroad-specific details. Silver series (direct-current model), \$179.95. Gold series (Digital Command Control and sound), \$289.95. February 2009. Ready-to-run. Master Line. Atlas Model Railroad Co.

Electro-Motive Division SW7 Phase 2 diesel locomotive. Illinois Central, Nickel Plate Road, Pennsylvania RR, Texas & Pacific, and Union Pacific. Two road numbers each; also available undecorated. Dual-mode Digital Command Control decoder with back-electro motive force control and sound, five-pole skew-wound motor with flywheels, and magnetic knuckle couplers. \$199.99. Ready-to-run. Paragon 2 series. Broadway Limited Imports



Pennsylvania RR 11sa 2-10-0 Decapod steam locomotive. Four road numbers and two headlight variations; also available painted but unlettered. Dual-mode Digital Command Control decoder with back-EMF control and sound, five-pole skew-wound motor with flywheels, and speed-synchronized smoke unit. \$399.99. Ready-to-run. Paragon 2 series. Broadway Limited Imports



Electro-Motive Division SD70ACe diesel locomotive. Union Pacific (American flag scheme), BNSF Ry. ("swoosh" herald), CSX, EMD demonstrator, George Bush 41 Presidential Library commemorative scheme (blue and white, one number), Kansas City Southern, and Montana Rail Link (three

numbers each unless noted). Also available in UP heritage schemes, one number each: Chicago & North Western, Denver & Rio Grande, Missouri Pacific, Missouri-Kansas-Texas, Southern Pacific, Western Pacific, and Union Pacific. Remote-controlled knuckle couplers, five-pole motor with flywheels, and Digital Command Control/Digital Command System decoder with Proto-Sound 3.0. \$249.95. Ready-to-run. MTH Electric Trains

HO scale train sets



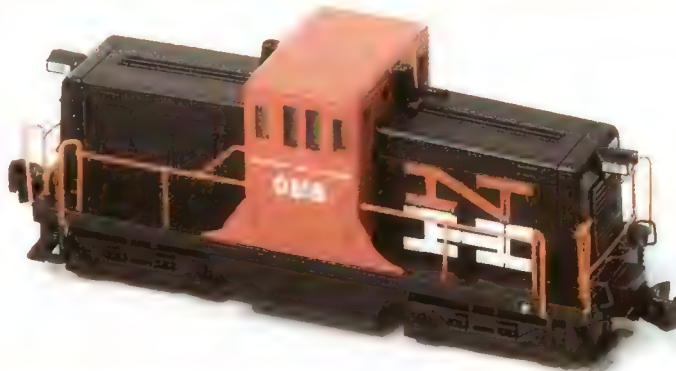
Chicago, North Shore & Milwaukee Ry. Electroliner passenger train set. Four-car set; two differently numbered sets available, plus painted silver but unlettered. Preproduction model shown. Factory-wired, sprung trolley poles for optional operation from overhead, detailed interior including motorman figure, and rubber diaphragms. \$439.98. Ready-to-run. Con-Cor International



New York City Transit R21-22 subway car four-pack. Skew-wound motor with dual flywheels, lighted interiors, and Proto-Max magnetic knuckle couplers. Four-pack (one powered and three unpowered cars), \$219.98. Ready-to-run. Proto 1000 series. Wm. K. Walther's Inc.

HO scale freight cars

Association of American Railroads 50-ton flatcar with load. Chicago & North Western; Denver & Rio Grande Western; Elgin, Joliet & Eastern; Minneapolis & St. Louis, Nickel Plate Road, and Northern Pacific. Cars are available ready-to run or as kits. Metal wheelsets with RP-25 contour, generator or wagon boxes and frames load, and Proto-Max magnetic knuckle couplers. Ready-to-run, \$31.98; kit, \$19.98. Proto 2000 series. Wm. K. Walther's Inc.



N scale General Electric 44-ton diesel switcher. Bachmann had a sample of its new N scale GE 44-tonner at the iHobby Expo. The locomotive will be available lettered for the New Haven, Pennsylvania, and Baltimore & Ohio, as well as unlettered versions painted yellow or red and yellow. The ready-to-run models will be equipped with Digital Command Control and cost \$100.



HO scale Harley's Hardware kit. This laser-cut micro-plywood structure kit is one of the latest releases from GC Laser. It features a planked deck, rolled roofing, positionable doors and windows, and dozens of detail parts. It will retail for \$41.99. Other new HO scale kits include the Mountain Railroad Records office, \$25.99; Quonset residence, \$40.99; and Sophie's Fine Dining restaurant, \$36.99.

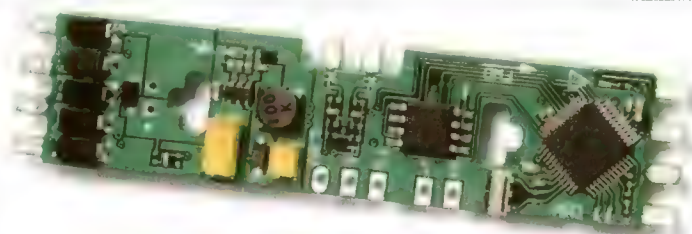


United States Railroad Administration 2-8-2 light Mikado steam locomotive. MTH Electric Trains is offering this HO scale steam freight workhorse lettered for the Pennsylvania RR, Baltimore & Ohio, New York Central, and Union Pacific. It features a smoke unit that puffs in synch with the driver rotations. The locomotive comes with a dual-mode Digital Command Control/Digital Command System decoder with Proto-Sound 3.0 and sells for \$449.95.

**iHobby
Expo
special!**



Super Scenic trees. JTT-MicroScale exhibited an assortment of new trees in multiple species and scales. Shown above from left to right are a juniper, deciduous, fall sycamore, and fall deciduous in HO scale. The ready-made trees, which are also available in N and O scale and as kits, have bendable armatures. They come between two and nine in a pack, depending on scale, and sell for \$11.95 to \$13.95.



TSU-AT1000 Digital Command Control sound decoder. The newest plug-and-play sound decoder from SoundTraxx is designed to replace the light board in HO scale Atlas diesels. It has a 16-bit digital sound system with built-in equalizer, 16 air horns, and engine sounds for nine different diesel motors. It also includes fine speed control and "Hyperlight" lighting effects. The decoder will sell for \$99.95.



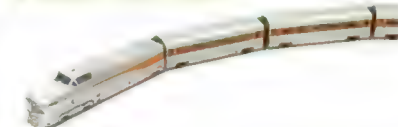
Tech 6 power pack with direct-current sound control. Model Rectifier Corp.'s new dual-mode power pack/Digital Command Control throttle can control both direct-current and DCC locomotives. The pack also includes sound controls for sound-equipped direct-current locomotives. The two-amp version (for HO scale) is priced at \$109.98, while the six-amp O scale version sells for \$229.98.

HO scale details and accessories



Peterbilt Model 389 tractor with Trail King lowboy trailer and Caterpillar construction equipment load. Black tractor with 315CL excavator, red tractor with D5M track-type tractor, white tractor with 163H motor grader, and yellow with 950G Series II wheel loader. Plastic and die-cast metal construction and display case. \$9.95. Norscot Scale Models

N scale train sets



General Motors Aerotrain passenger train set. Atchison, Topeka & Santa Fe; General Motors demonstrator scheme; New York Central; Pennsylvania RR; Rock Island; and Union Pacific. Also available painted silver but unlettered; preproduction model shown. Five-pole skew-wound motor with dual flywheels, detailed and lighted interiors, and working diaphragms. Four-car sets (powered locomotive, two coaches, and observation car), \$429.98. Three-coach add-on sets, \$219.98. Ready-to-run. Con-Cor International

N scale freight cars



General American Transportation Corp. Airslide covered hopper. Atlantic Sugar Refineries; Bakelite Plastics; Brach's Fine Candies; Chicago, Burlington & Quincy; Denver & Rio Grande; Firestone Tire Co.; Great Northern; Nebraska Consolidated Mills; Pennsylvania RR; and Union Pacific. RP-25 contour metal wheelsets, prototype-specific details, and magnetic



NORTH AMERICAN RAILCAR CORPORATION

*They can be seen on UP, BNSF, CSX, NS, KCS, CP and CN ...
... shouldn't they be seen on YOUR layout?*

Features:

- Brand new tooling – Hawker Siddeley 4550 cu.ft. cylindrical hoppers – first time ever in HO & N Scale
- Many photo etched metal parts
- N Scale with Micro-Trains trucks and couplers
- HO Scale with Kadee couplers
- New HO trucks with micro printing

- 12 cars with CN-assigned reporting marks (SKNX)
- 12 cars with CP-assigned reporting marks (SKPX)
- Special 25th car SKNX 397199 as seen below



photo: Dave Martin

Our Special 25th Car – recognizes the unique relationship between the **Saskatchewan Grain Car Corporation** and **North American Railcar Corporation** and salutes **Kadee** and **Micro Trains**.

This special 25th car – SKNX 397199 – was decorated on September 27th 2008, with the decals shown on the right. Look for it when you are out railfanning.

WE ARE NEARLY SOLD OUT! ... however, we have held back a few sets of these cars for this ad. Call us or visit our website and mention the ad to reserve yours!



We are also saving a few sets for those who visit us at the Amherst Railway Society Railroad Hobby Show - January 24-25 2009 - East Springfield MA

<http://www.pwrs.ca/announcements/view.php?ID=914>
Check out the above link to read the story of how car SKNX #397199 came to be the 25th car

Accuracy and Detail... in Scale

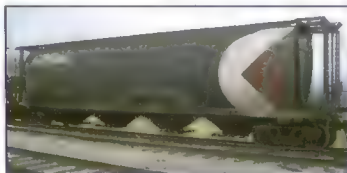
Announcing for 2009!

Hawker Siddeley 4550 cu.ft. 4-bay Cylindrical Hoppers

HO & N Scale • 6 road numbers each run



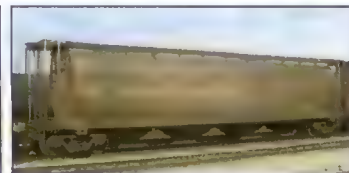
Wheat Board of Canada - CNWX



Canadian Pacific - CP Multimark



Saskatchewan Grain - SKNX / SKPX



Government of Canada - CPWX

Pacific Western Rail Systems

Porters used to take care of rail travelers. Come see how our PORTERS* can take care of YOU!... Our new website allows you to:

- Search our product database — with over 129,000 products — by roadname, manufacturer, car type, etc. simultaneously
- Keep informed about new products from all manufacturers
- Place and track orders for current inventory and pre-order newly announced products
- Control when and how your orders are shipped

Get all this, plus Discounts and No Sales People Calling!... Call or visit our website to learn more and get your PORTERS account today!

*PORTERS (Personal Order, Relationship, Tracking, Entry & Reporting System) is our new website account and information management system

Website: www.pwrs.ca • E-mail: retail@pwrs.ca • Toll Free: 1-866-840-7777 • Fax: 1-604-542-0793

NWSL

Need to rebuild or upgrade that eBay® or swap meet special? NorthWest Short Line is your single source for replacement or upgrade motors, gears, wheelsets and more. Please note our new address. We look forward to serving you.

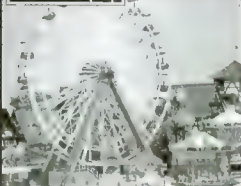
NWSL PO Box 1349, Hamilton, MT 59840
(406)-375-7555 www.nwsl.com

märklin Roco

TRIX, FLEISCHMANN, BRAWA, FALLER, VIESSMANN
POLA, VOLLMER, KIBRI, PREISER AND MANY MORE!

Carnival Rides in HO & N Scale

FALLER



Add some summer fun to your layout! Faller offers a variety of carnival & circus kits including concessions, tents, and WORKING rides such as roller coasters, ferris wheels go-carts, and more! Lighting kits available.

Faller N Scale Ferris Wheel/Lighting Set & Merry-Go-Round

EURO RAIL HOBBIES & MORE INC.

www.EuroRailHobbies.com / Toll-free 1-866-799-6098

**Clinton* is giving
a clinic. Vanderbilt
and Flagler too.**

Sign up today!

*DeWitt



NMRA HARTFORD NATIONAL 2009
JULY 5-11 • HN2009.ORG

ModelExpo

Serving Modelers Since 1976

Hobby Tools & Model Kits
The Best Selection At The
Lowest Prices

www.modelexpo-online.com

TOLL-FREE 800.222.3876

Model Expo
Serving Modelers Since 1946
3850 N. 29th Terrace
Hollywood, FL 33020



News&Products

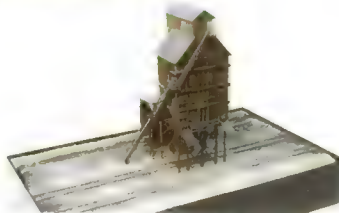
**iHobby
Expo
special!**



G scale freight train set. For large-scale model railroaders, Silvergate Distributors unveiled a new Piko starter set featuring a ready-to-run 0-6-0T saddle tank switcher, freight car, and matching caboose. The set also comes with a 47.25" circle of G-scale track and a power pack. Road names available are New York Central and Union Pacific. The set sells for \$417.99.

knuckle couplers. Single cars \$22.98, two-packs \$40.98. Ready-to-run. Con-Cor International

N scale structures



Wood coaling tower. Injection-molded styrene kit. Parts molded in color, wood-grain texture, and positionable parts. \$49.98. Wm. K. Walthers Inc.

N scale details and accessories

ScenicAccents figure and accessory sets. One-Man Crew (five road workers and a barrel), \$13.99; People On Benches (three benches and six figures), \$12.99; and Shootin' Hoops (six players, backboard and hoop), \$15.99. Woodland Scenics

AutoScenes vehicle and figure sets. Willie's Warning (car with driver, police car, and standing officer figure), \$21.99. Sunday Drive (convertible with passengers), \$12.99. Henry's Haulin' (stakebed truck, figure carrying sack, and cargo details), \$15.99. Woodland Scenics

O scale passenger cars

Comet II and Horizon commuter cars. Amtrak, Connecticut Department of Transportation,

Metro-North, and New Jersey Transit. Also available undecorated. Comet II cab and coach cars and Amtrak Horizon coach and dinette cars. Wire grab irons, detailed interiors, and working tail and headlights. \$99.95. Master Line. Atlas O

60-foot heavyweight passenger cars. Atchison, Topeka & Santa Fe; Boston & Maine; Chicago & North Western; and New York, New Haven & Hartford (two road numbers each). Also available painted green but unlettered. Based on C&NW prototypes. Baggage, coach, combine, and Railway Post Office. Detailed interiors with lighting, working diaphragms, and sprung die-cast metal trucks. \$84.95. First quarter 2009. Trainman line. Atlas O

O scale details and accessories



1:50-proportion Pierce Quantum pumper fire truck. Kern County (shown), County of Henrico, Honolulu, Seminole, and San Antonio. Die-cast metal construction. Opening cab with engine and transmission detail, detailed cab interior with full window glazing, and separate ladders and hoses. \$190. Made by TWH Collectibles, imported by b2bReplicas.com



Innovation, Accuracy and more than 400 pieces.

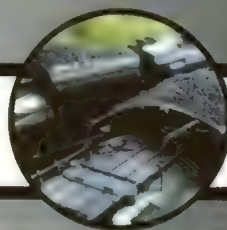
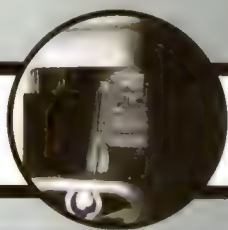
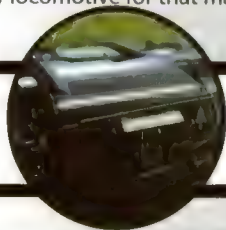


PLATINUM SERIES

TRUE LINE TRAINS® is proud to bring you the the CANADIAN NATIONAL U-2-g Locomotive for the first time ever in super detailed injection mould. Each locomotive features more than 400 hand applied detail parts. Our U-2-g locomotives feature several industry firsts for a Canadian Steam locomotive, or any locomotive for that matter!

The U-2-g features unique serial numbers, random coal load insertion, operating vestibule, optional front operating coupler mount, metal grabs, optional smoke generator, opening windows, opening latches, sound equipped locomotive, correct counter weighted and contoured wheels, operational lights, aluminum water tanks and more. Each U-2-g features the version correct oil separator on the tender as well as version correct engine details. There has never been a more prototypical engine produced for the Canadian market. The U-2-g comes in a collectors case including a historical booklet, optional drivers for small radius turns, certificate of authenticity and more.

Limited to 1000 pcs world wide.
Only available at finer hobby shops.



The True Line Trains Logo and all intellectual property are solely owned by Canadian Hobbycraft Ltd. 140 Applewood Crescent, Concord, Ontario L4K 4E2
For More Info, Please Call (905) 738 - 6556 or email: tlt@hobbycraft.com www.hobbycraft.com/tlt Dealer Inquiries Welcome

Add Great Detail to YOUR Layout!

LEDs
5mm
3mm
1.8mm

Solid or Flashing

all lights are pre-wired
for AC / DCC / DC Use

Locomotive & Passenger Car

Die Cast Vehicles
fast flashers

Building Lighting

18V FREDs
5.98ea
Water Tower
slow flashers

Fire Kit

2-Year Free Replacement

Welding Kit

Hook Directly to Track Power!
Bridge Rectified 7-19V

Graffiti

American Ads

PRINT
Brick
Graffiti
Buildings
Advertising
Road/Rail Signs
Window Treatments

All Scales!

Window Designer

Model Builder

Brickyard

Sign Creator

with our Easy to Use software and Your Home Printer



EVAN DESIGNS
PO Box 2044
Broomfield CO 80038

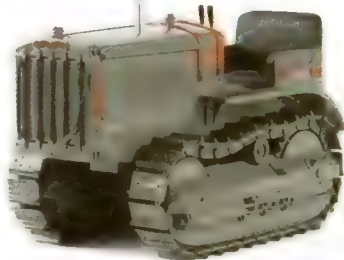
Visit: www.ModelTrainSoftware.com

Phone: 303-410-1118

Dealer Inquiries Welcome



1:50-proportion Caterpillar construction equipment. D11T track-type tractor with metal tracks, bulldozer blade, and ripper (pictured); \$103.95. Model 772 off-highway mine dump truck with rolling vinyl tires and movable dump bed, \$84.95. Die-cast metal construction, detailed cab interiors, and full window glazing. Norscot Scale Models

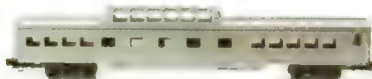


1:50-proportion Caterpillar Twenty vintage tractor. Die-cast metal construction, opening engine compartment with detailed engine, and display case. \$94.95. Norscot Scale Models

ScenicAccents figure and accessory sets. Gone Fishing (three boys, three men, and five fishing poles), \$22.99. Bicycle Buddies (four kids with bicycles and old-time soda machine), \$21.99. Masonry Workers (four workers

with tools, wheelbarrow, and generator-driven cement mixer), \$22.99. Woodland Scenics

Z scale passenger cars



Smooth-side lightweight passenger cars. Illinois Central, Great Northern, and Union Pacific; other road names to come. Baggage, coach, dome car (preproduction model shown), and sleeper. Detailed interiors, car name and number decals, and Magne-Matic magnetic knuckle couplers. Prices to vary by road name: Union Pacific, \$28.60, December 2008; Illinois Central, \$31.80, January 2009; Great Northern, \$32.90, February 2009. Micro-Trains Line Co.

Multiple-scale details and accessories

Assorted N and HO scale automobiles. New models: 1950 Dodge Meadowbrook sedan, black, Cadet Red, Dawn Gray, Island Green, and Yellow Cab. 1953 Ford Crestline Country Squire wagon, Carnival Red, Fern Mist Green, Glacier Blue, Raven Black, and Woodsmoke Grey. 1956 Dodge Royal and Coronet sedans, aquamarine and white two-tone, black, Oriental Coral and Charcoal two-tone, and Yellow Cab. New paint schemes: 1936 Ford Fordor sedan (HO scale only), fire chief car and Army staff car. 1959 Ford Fairlane sedan: fire chief car and Army staff

car. Detailed interiors, full cab window glazing, and rolling vinyl tires. HO scale single vehicle, \$13; N scale two-pack, \$14. Classic Metal Works Inc.

1954 Ford F-700 trucks in N and HO scale. Oil tank trucks: Cities Service, Gulf, Mobil, Shell, Sinclair, and Sohio. Box delivery trucks: Blatz Beer and H.J. Heinz Co. Detailed interiors, full cab window glazing, and rolling vinyl tires; HO scale versions come with painted driver figure. HO scale single vehicle or N scale two-pack, \$15. Classic Metal Works Inc.

Railroad maintenance-of-way pickups and utility trucks with rail bogeys in N and HO scale. New paint schemes: Baltimore & Ohio, Chicago & North Western, and Southern Pacific. Detailed interiors, full cab window glazing, and rolling vinyl tires. HO scale single vehicle, \$14; N scale two-pack, \$15. Classic Metal Works Inc.

Electronics and controls

MRC PC Interface. Program, acquire and run Digital Command Control-equipped locomotives from Windows-compatible computer. Includes hardware and software; interfaces with MRC's Prodigy DCC systems and can control two locomotives simultaneously. Accesses 28 National Model Railroad Association-standard functions. Easy configuration variable (CV) programming and mouse-based interface. \$269.98 for complete set; \$179.98 upgrade for existing Prodigy Wireless users. Model Rectifier Corp.

Manufacturer listings

Atlas Model Railroad Co./Atlas O
378 Florence Ave.
Hillside, NJ 07205
908-687-0880/
908-687-9590
www.atlasrr.com
www.atlasO.com

b2bReplicas.com
4521 Reinmiller Road
Joplin, MO 64804
417-206-9700
www.b2breplicas.com

Bachmann
1400 E. Erie Ave.
Philadelphia, PA 19124
215-533-1600
bachmanntrains.com

Broadway Limited Imports
4 Signal Ave., Ste. C
Ormond Beach, FL 32174
386-673-8900
broadway-limited.com

Classic Metal Works
3401 Silica Rd.
Sylvania, OH 43560
419-842-8114
classicmetalworks.com

Con-Cor International
8101 E. Research Ct.
Tucson, AZ 85710
520-721-8939
www.all-railroads.com

GC Laser
P.O. Box 621

Genoa City, WI 53128
815-354-6627
www.gclaser.com

JTT & Partners
11861 Cardinal Cir., Ste. G
Garden Grove, CA 92843
714-539-4488
www.jttmicroscale.com

Many New Products
537 Hallmark Dr.
Newport News, VA 23606
757-596-2309
www.mnpinc.com

Micro-Trains Line Co.
P.O. Box 1200
Talent, OR 97540
541-535-1755
www.micro-trains.com

Model Rectifier Corp.
80 Newfield Ave.
Edison, NJ 08837
732-225-2100
www.modelrectifier.com

MTH Electric Trains
7020 Columbia Gateway Dr.
Columbia, MD 21046
410-381-2580
www.mthhotrains.com

Norscot Scale Models
1000 W. Donges Bay Rd.
Mequon, WI 53092
262-241-3313
www.norscotmail.com

Silvergate Distributors
9755 Birch Canyon Place,
unit 200

San Diego, CA 92126
858-444-8200
silvergatedistributors.com

Soundtraxx
210 Rock Point Dr.
Durango, CO 81301
970-259-0690
www.soundtraxx.com

Wm. K. Walther's Inc.
P.O. Box 3039
Milwaukee, WI 53201
414-527-0770
www.walters.com

Woodland Scenics
P.O. Box 98
Linn Creek, MO 65052
573-346-5555
woodlandscenics.com

NEW

This #4 WYE gets you out of a tight corner

For full details of the Code 83 line see our latest catalog.

83
LINE

WITH
ELECTROFROG
SL-E8348 (shown)
OR
INSULFROG
SL-8348

Made in England by
Pritchard Patent Product Co. Ltd.
Visit us at: www.peco-uk.com

PECO STREAMLINE

Whatever the scale Peco has the answer

The **PECO 83 LINE** includes: #5, #6, #7 & #8 Turnouts and #6 Crossings with a choice of frog types

• HO Scale: Code 75, 83 or 100 • N Scale: Code 55 or 80 • O Scale • Gauge 1 • Z Scale • On-30 • HO_n2½ • HO_m (HO_n3½) • G-45

Con-Cor's Exciting New Products for 2009!

Celebrating Our 47th Year! **We Sell Nostalgia**

Union Pacific M-10000



\$429.98 each, HO in stock now, N early 2009

The 1941 Electroliner



\$439.98 each, HO only, early 2009
(Pre-order now to avoid disappointment.)

1938-1960's PCC Streetcars



\$159.98 each, see website for roadnames
Delivery early 2009, Pre-order yours now.

**Pennsylvania mP-54
Steam Era Coach**



\$119.98 twin pack, Delivery early 2009.
Other body styles also coming, see our website. Pre-order yours now.

Mail Orders: Con-Cor International, Ltd., 8101 E. Research Court, Tucson, Arizona 85710
USA Orders Only: **1-888-255-7826**; Include phone number. Add \$10.95 for S & H to all orders.

See us on the Web at:
www.con-cor.com

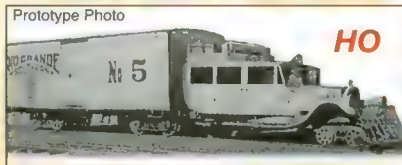
Con-Cor International, Ltd.
8101 E. Research Court, Tucson, AZ 85710-6758

Twin-Headlight Zephyr



Original Zephyr converted in 1940's to twin-headlights. \$429.98 each, both HO & N. Spring 2009, Pre-order now.

1930's Pierce Arrow "Goose"



Price TBA, Spring, 2009. HO only.
Pre-order yours now. See our website for details.

The 1955 GM Aero Train



(Also available in HO)
Basic 4-Car sets \$429.98
Add-On 3-Car s Coach sets \$219.98
Both HO & N instock now. See our website for roadnames.

HO Airslide Covered Hoppers



See website for roadnames. \$22.98 ea.

Place your
**No-Obligation
Pre-Order today. See
our website for details
on this program.**



GROUND THROW with TARGETS

Similar to our 101R & 202S plus combines operating targets for high visibility indication. Numbers 1 thru 9 supplied for track numbering if you desire. At better dealers or direct



HO Scale with .190" travel

109R Rigid\$4.23
210S Sprung\$4.40

STANDARD GROUND THROWS



HO Scale with .190" travel

101R Rigid\$3.03
202S Sprung\$3.20

N Scale with .135" travel

105R Rigid\$3.13
206S Sprung\$3.30

Atlas "Mark 2" & O Scale
w/ .280" travel

107R Rigid\$3.23
208S Sprung\$3.40

AT DEALERS OR DIRECT

Add \$4.00 handling per order
IL residents add 7.5% sales tax

CABOOSE INDUSTRIES

8511 W. MOUND RD.
LENA, IL 61048-0697
www.cabooselnd.com

Turn your PC into a Centralized Traffic Control Facility!

Monitor and control the operation of your entire model railroad from a state-of-the-art control console displayed in full-color on your PC screen.

- All gauges, Z to G
- DCC or conventional
- Just plug and play
- Easy-to-use software
- Works on any PC

Automate signals, turnouts, reversing loops, sound, lighting, collision avoidance, and much more.

Make your trains obey signals, make station stops, or run according to time tables. Configure routes and dispatch trains with a single click of the mouse.

All automatically from your PC...

Introducing the "Train-Brain," the fast, affordable way to add computer control to your model railroad.

Think computer control is too expensive? Our starter kit with **all** the hardware **and** software needed to get into model railroad computer control costs **just \$99**.

www.cti-electronics.com

BACHMANN'S TOP DEALER

BACHMANN

SPECTRUM

BACHMANN

#01202 ACALA AMTRAK HIGH SPEED PASSENGER SET \$199.99

#89941 ACALAPASSENGER CARS .EA \$29.99
#81949 ACALA POWERED & DUMMY . \$109.99

#50901 2-8-4 BERKSHIRE,
DCC ON-BOARD
\$94.99

#61801 BALDWIN RF-16 SHARK
A OR B DIESEL, DCC ON-BOARD
\$49.99

#65502 AMTRAK 60CP DIESEL
DCC ON-BOARD \$59.99

#13245 DOUBLE DECKER PUSH/PULL COMMUTER CARS . NEW 21.99
#19346 JACKSON SHARP OPEN EXCURSION CAR . NEW 10.99
#51202 2-10-4 SANTA FE, DCC ON-BOARD NEW 109.99
#62101 UP, EMD DD40AX, DCC ON-BOARD NEW 69.99
#83211 SPECTRUM 2-8-2 MIKADO, DCC ON-BOARD NEW 189.99
#84601 SPECTRUM PETER WHITT STREET CAR, DCC NEW 74.99
#85201 SPECTRUM 45T SWITCHER, DCC ON-BOARD NEW 69.99

BACHMANN HO TRAIN SETS with EZ TRACK
00501 Digital Commander Double Diesel Freight Set 154.99
00502 Steam Digital Commander Freight Set 144.99
00503 Diesel Digital Commander Freight Set 154.99
00609 White Christmas Freight Set 79.99
00612 Thunderbolt Freight Set 54.99
00613 Smoky Mountain Freight Set 74.99
00614 Overland Limited Freight Set 134.99
00615 Golden Spike Freight Set 94.99
00617 Casey Jones Steam Freight Set 84.99
00621 The Challenger Freight Set 44.99
00626 McKinley Explorer Passenger Set 79.99
00627 Chattanooga Freight Set 84.99
00628 Silver Streak Double Diesel Freight Set 84.99
00634 Silver Star Freight Set 74.99
00647 Santa Fe 6047 Freight Set 54.99
00648 Old Time Village Freight Set 74.99
00653 American Diesel Freight Set 54.99
00657 Rail King Freight Set 74.99
00658 Grinch's Whoville Special Christmas Set 54.99
00664 Yuletide Special Holiday Set 99.99
00672 Hershey's Express Freight Set 74.99
00675 Walt Disney's Carolwood Pacific RR Frt. Set 99.99
00676 Shrek's Holiday Special Freight Set 64.99
01121 Frontiersman Freight Set Spectrum SALE 99.99
01126 Explorer Pass Set Spectrum SALE 99.99
01301 Frontiersman DCC Frt. Set, Asstd. Rds 179.99
01306 Explorer DCC Pass. Set, Asstd. Rds. 199.99
01311 The Cavalier N&W Class 1 Pass. Set 199.99
01313 Amtrak Nor'Easter Passenger Set 169.99
01314 Cavalier N&W Passenger Set 219.99

NEW - THOMAS THE TANK ELECTRIC TRAINS
00642 THOMAS W/ANNIE & CLARABEL TRAIN SET 64.99
00644 DELUXE THOMAS W/ANNIE & CLARABEL SET 84.99
00656 JAMES THE RED ENGINE FREIGHT SET 74.99
00668 GORDON EXPRESS PASSENGER SET 99.99
42441 HAROLD THE HELICOPTER 8.99
42442 BERTIE THE BUS 8.99
42443 SIR TOPHAM HAT 4.99
42444 CRANKY THE CRANE 17.99
58741 THOMAS THE TANK ENGINE W/MOVING EYES 23.99
58742 PERCY THE SMALL ENGINE W/MOVING EYES 23.99
58743 JAMES THE RED ENGINE W/MOVING EYES 28.99
58744 GORDON THE BIG EXPRESS ENGINE 41.99
58745 HENRY THE GREEN ENGINE 41.99
76044 ANNIE COACH 8.99
76045 CLARABEL COACH 8.99
77046 TROUBLESONE TRUCK #1 8.99
77047 TROUBLESONE TRUCK #2 8.99

MOTORIZED HANDCARS
#46202 GANDY DANCERS
#46210 CHRISTMAS

CABLE CARS SALE
60530 RED . 22.99
60531 GREEN 22.99
60532 BLUE . 22.99

#61040 BRILL TROLLEYS \$19.99 Ea.

#62931
PCC STREAMLINE TROLLEY \$21.99 Ea.

BACHMANN TROLLEY SETS with ELECTRONIC REVERSING TRACK
00401 HO Main Street Trolley Set 89.99
00402 HO Christmas Trolley Set 89.99
25011 On30 United Traction Street Car Set SALE 79.99
25016 On30 United Traction Street Car Set . 99.99
25017 On30 Holiday Street Car Set . 99.99

44548 Reversing 9" Straight Track (4) 20.99
44549 Reversing 18" Radius Curve (4) 20.99

#81901 SPECTRUM 3-TRUCK SHAY
STARTING AT \$99.99

#84701 3-TRUCK SHAY, DCC SOUND ON-BOARD
NEW \$229.99 Ea.

#83401 MODERN AMERICAN RICHMOND 4-4-0
DCC ON-BOARD
SUPER SALE \$99.99

#85101 4-4-0, DCC SOUND ON-BOARD NEW \$219.99 Ea.

#50601 USRA 0-6-0 W/SMOKE
\$39.99 Ea.

#51501 2-6-2 PRAIRIE
\$49.99 Ea.

#56508 2-6-0 MOGUL Ea. \$49.99

#82301 SPECTRUM BALDWIN 4-6-0
\$79.99 Ea.

#84901 4-6-0 BALDWIN, DCC SOUND ON-BOARD
NEW \$184.99 Ea.

#83601 BALDWIN 2-8-0 CONSOLIDATION, DCC ON-BOARD
STARTING AT \$69.99 Ea.

#84501 2-8-0 CONSOLIDATION,
DCC SOUND ON-BOARD NEW \$169.99 Ea.

#84302 2-10-0 RUSSIAN DECAPOD, DCC SOUND
ON-BOARD FROM \$149.99 TO \$179.99

#81701 SPECTRUM 2-10-0
DECAPOD \$69.99 Ea.

#83301
USRA LIGHT 2-10-2
DCC ON-BOARD \$89.99 Ea.

#83901 2-10-2 USRA LIGHT, DCC SOUND ON-BOARD
FROM \$169.99 TO \$209.99

#84013 SPECTRUM PENNSY K4 PACIFIC POST-WAR
#84113 SPECTRUM PENNSY K4 PACIFIC PRE-WAR

#84402 4-6-2 K-4 PACIFIC W/DCC SOUND ON-BOARD
NEW \$169.99

#81601 SPECTRUM USRA LIGHT 4-8-2 MOUNTAIN
ASSORTED ROADS \$109.99 EACH

#82501 SPECTRUM USRA HEAVY 4-8-2 MOUNTAIN
\$99.99 EACH

#84201 4-8-2 HEAVY MOUNTAIN W/LONG
TENDER, DCC SOUND ON-BOARD . NEW \$189.99

#50203 GS4 SP WARBBY DCC ON-BOARD \$99.99

#50201 SP GS4 4-8-4 DCC ON-BOARD . NEW \$99.99

#50205 GS4 AM FREEDOM TRAIN DCC ON-BOARD . NEW \$99.99

#50301 NYC NIAGARA DCC ON-BOARD NEW \$99.99

#84801 2-6-6-2 ARTICULATED W/DCC
SOUND ON-BOARD \$274.99

#84801 2-6-6-2 ARTICULATED W/DCC
SOUND ON-BOARD \$274.99

#82104 SPECTRUM CLASS J-4-8-4 N&W
W/DOGHOUSE & AUXILIARY WATER TENDER
SUPER SALE \$89.99

#82121 N&W 4-8-4 CLASS J, DCC ON-BOARD
SUPER SALE \$89.99

#83902 4-8-4 CLASS J N&W, DCC SOUND ON-BOARD
NEW FROM \$159.99 TO \$199.99

#50801 SANTA FE 4-8-4 DCC ON-BOARD
FROM \$79.99 TO \$99.99

#83003 AMTRAK ACALA HHP LOCO
LIST \$158.00
SUPER SALE \$49.99

#82402 GE E33 ELECTRIC ASST ROADS
DCC READY
\$49.99 Ea.

#80034 SPECTRUM 44 TONNER
SWITCHER
STARTING AT \$34.99 Ea.

#82201 44 Ton SWITCHER, DCC ON-BOARD . NEW 41.99

SPECTRUM ASSORTED
ROADS

#82711 SD-45, ASSTD. RDS, DCC ON-BOARD . Ea. \$59.99

#87023 SPECTRUM F40PH
AMTRAK
SALE \$49.99

NEW JERSEY TRANSIT
SALE \$29.99

#85001 GE DASH 8-40C, DCC READY . \$59.99

#83501 GE DASH 8-40CW, DCC ON-BOARD . \$59.99

#64102 H16-44 BABY TRAINMASTER
\$34.99 Ea.

BACHMANN 8-WHEEL
DRIVE VEHICLES

DCC ON-BOARD
60102 FT-A or B, DCC ON-BOARD 39.99
60302 GP-40, DCC ON-BOARD 39.99
60404 GP-50, DCC ON-BOARD 39.99
60601 70 TON DIESEL SWITCHER, DCC ON-BOARD 39.99
60701 GP-35 DIESEL, DCC ON-BOARD 39.99
60801 GP-30 DIESEL, DCC ON-BOARD 39.99
60901 SD40-2 DIESEL DCC ON-BOARD 39.99
61101 GP38-2 DIESEL DCC ON-BOARD 39.99
62201 44 TON SWITCHER DCC ON-BOARD 41.99

#61111 BACHMANN
DECODER EQUIPPED
DIESELS
STARTING AT
ONLY \$24.99

#51101 AMERICAN
\$49.99 Ea.

18332 LOG CAR W/LOGS
18849 LOG CAR W/LOGS
(FOR SHAY & CLIMAX)
Ea. \$21.99

18412 DOMINION CARDOUSE . Ea. 8.99
18601 ORE CARS . Ea. 8.99
18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

18701 10TON 3-BAY HOPPER . Ea. 11.99
18703 3-BAY HOPPER 6-PK . Ea. 49.95
18801 FLAT WAGONS . Ea. 12.99

COLLECTORS SERIES SETS SALE
#00640 JOHN BULL SET \$59.99 Ea.
#00641 DE WITT CLINTON SET

SUPER SALE TENDERS SUPER SALE

89731 USRA MEDIUM COAL TENDER . Ea. 24.99
89821 BALDWIN SMALL TENDER . Ea. 24.99
89831 USRA LONG TENDER, DCC READY . Ea. 24.99
89841 VANDERBILT LONG TENDER, DCC READY Ea. 24.99
89891 VANDERBILT MEDIUM TENDER, DCC READY Ea. 24.99
89911 VANDERBILT HICKEN TENDER, DCC READY Ea. 24.99
89921 AUXILIARY WATER TENDER, ASST. RDS. Ea. 19.99

MOTORIZED TRACK VEHICLES

16946 SPEEDER W/CRANE & CART . SUPER SALE 39.99
16947 TRACK BALLAST REGULATOR . SUPER SALE 39.99
16948 BALLAST VEHICLE W/CRANE . SUPER SALE 39.99
46201 PICK-UP TRUCK . SUPER SALE 25.99
46204 RAIL DETECTOR STEP VAN . SUPER SALE 25.99
46207 1950'S 4X4 . SUPER SALE 25.99
46211 BUS W/HI-RAILER . NEW 25.99

SPECTRUM HEAVYWEIGHT PASSENGER CARS W/LIGHTS+INTERIOR

#89200 4 CAR SET \$39.99
#89200 ADD ON CARS \$12.99 Ea.

#13002 FULL DOME LIGHTED, SF, AMTRAK, MCKINLEY
\$19.99 Ea.

#13106 AMTRAK AMFLEET LIGHTED COACH . \$19.99
#72205 AMTRAK AMFLEET LIGHTED COACH . \$19.99

E-Z COMMAND SUPER SALE

36505 DYNAMIS WIRELESS NEW 169.99
36521 DYNAMIS W/FREE UNDECORATED DASH-B . 169.99
36522 DYNAMIS W/FREE UNDECORATED SD-45 . 169.99
44902 E-Z COMMAND SYSTEM 69.99

NICKEL SILVER (GRAY) E-Z TRACK STEEL TRACK (BLACK)

44501 8.50 18" RADIUS CURVED TRACK (4 CARD) . 44401 5.99
44511 8.50 9" STRAIGHT TRACK (4 CARD) . 44411 5.99
44561 14.99 REMOTE SWITCH-LEFT (1 CARD) . 44461 9.99
44562 14.99 REMOTE SWITCH-RIGHT (1 CARD) . 44462 9.99

WE CARRY THE FULL E-Z TRACK LINE

BACHMANN ON30 TRAINS

25006 North Pole Express Pass. Set 189.99
25012 Jingle Bell Express Freight Set 189.99
25013 Ohio River & Western Passenger Set . 189.99
25014 Roaring Ridge D&RG Passenger Set . 189.99
25015 Glen Brook Valley Freight Set . 189.99
25018 Northern Light Christmas Passenger Set 189.99
25127 Christmas Trolley 39.99
25128 United Traction Trolley 39.99
25155 Hershey Trolley 39.99

ASSORTED ROADS STARTING AT

25214 2-6-0 Steam Loco & Tender SALE 74.99
25314 0-4-0 Porter Steam Loco SALE 39.99
25476 Fomery 2-4-4 DCC On-Board . SUPER SALE 119.99
25494 Fomery 2-4-4 w/DCC Snd On-Board SALE 199.99
25559 0-4-2 Porter Steam Loco SALE 39.99
25657 Two Truck Shay, Asst. Rds. . SUPER SALE 99.99
25757 28 Ton 2-Truck Climax Loco SUPER SALE 99.99
25960 2-8-0 Consolidation, DCC On-Board SALE 119.99
26114 Combine Car, Assorted Roads 27.99
26311 Passenger Cars, Lighted 27.99
26414 Baggage Car 27.99
26857 Pulpwood Car with Load NEW 34.99
26994 Camp Cars, Assorted Styles 27.99
27014 Freight Cars SALE 19.99
27014 Caboose with Lights 24.99
27391 Skeleton Log Cars, 3 Pack 49.99
27418 Reefer 24.99
27618 Ventilated Box Car SALE 21.99
27818 H-Side Gondola with Load 19.99
27918 2-Bay Steel Hopper (2) SALE 39.99
28157 0-4-0 Side Rod Loco, DCC On-Board SALE 49.99
28301 4-4-0 American, DCC On-Board NEW 179.99
28457 Railbus & Trailer DCC On-Board . NEW 139.99
28501 2-Truck Shay DCC On-Board, Sound . 239.99
28657 2-Truck Climax, DCC On-Board, Sound 239.99
28601 4-6-0 DCC On-Board NEW 194.99
29133 Rail Truck w/Accessories, DCC On-Board 84.99
29801 Dump Cars (3) 39.99
29802 V Dump Cars (3) 39.99

SEND MAIL ORDER TO:
TRAINWORLD®
751 McDONALD AVE.
BROOKLYN, NY 11218
TRAINLAND®
293 SUNRISE HIGHWAY
LYNBROOK LONG ISLAND, NY 11563
WEB SITE www.trainworld.com ONLINE SHOPPING www.trainworldonline.com
AMERICA'S LARGEST DISCOUNT TRAIN STORES

NEW RELEASES CAN BE BACKORDERED
NY residents add applicable sales tax
Minimum Order \$25.00 plus shipping
UPS Shipping & Handling: Min. \$9.95
Parcel Post, Canada & Overseas: Min. \$24.95
For Larger Orders, Estimate Additional Shipping
MONDAY - SATURDAY 10-6
E-MAIL orders@trainworld.com

Prices subject to change,
limited quantities, all
rights reserved.
Not responsible for
typographic errors.
These prices are valid for
Mail Order only.

FOR ORDERS ONLY: MCVISA@DISCOVER/AMEX
CALL TOLL FREE 1-800-541-7010
For prices & info Call: (718) 436-7072
10 DAY EXCHANGE POLICY MUST BE NEW!
15% RESTOCKING CHARGE ON ALL APPROVED RETURNS
SHIPPING CHARGES ARE NON-REFUNDABLE!
24 HR. FAX ORDERS 1-718-972-8514

MTH MANTUA PRECISION CRAFT BROADWAY LIMITED BLUE LINE ATHEARN

SOPRANOS®, episode 85,
the "Blue Comet" was filmed
in our store, **TRAINLAND®**

MTH #80-3107-1 ERIE 2-8-8-2 TRIPLEX
\$489.99



MTH #80-3114-1 4-8-4 GS-4 OR GS-6 **\$389.99 ea.**



MTH #80-3123-1 NYC L3/L4 MOWHAWK **\$399.99**



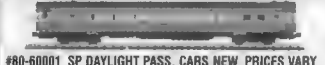
MTH #80-3101-1 PENNSYLVANIA K-4 **\$299.99**



MTH #80-3131-1 USRA 2-8-2 LIGHT MIKADO
NEW \$399.99 ea.



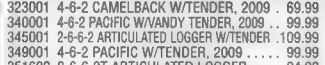
MTH #80-2007-1 SD-70 ACe/SD-70M
HERITAGE FLEET \$299.99 ea.



#50-1028 DCS COMMAND CONTROLLER **\$29.99**
#50-1029 DCS COMMAND SYSTEM W/100W POWER SUPPLY **\$19.99**



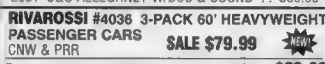
#80-60001 SP DAYLIGHT PASS. CARS NEW PRICES VARY
#80-98001 WOOD DECK FLAT CAR **NEW \$29.99**
#80-98001 WOOD DECK FLAT CAR W/LOAD **NEW \$27.99**



MANTUA CLASSICS



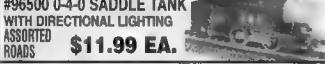
NOW TAKING BACK ORDERS - DCC READY - ASSTD RDS
323001 4-6-2 CAMELBACK W/TENDER, 2009 **\$99.99**
340001 4-6-2 PACIFIC W/VANDY TENDER, 2009 **\$99.99**
345001 2-6-6-2 ARTICULATED LOGGER W/TENDER **\$109.99**
349001 4-6-2 PACIFIC W/TENDER, 2009 **\$99.99**
351600 2-6-6-2 ARTICULATED LOGGER **\$94.99**
389001 0-6-0 GOAT SWITCHER W/TENDER **\$59.99**
393001 0-6-0 TANK SWITCHER **\$34.99**
WE CARRY THE ENTIRE MANTUA LINE



RIVAROSS/HORNBY - DCC READY



2007 NYC HUDSON **SUPER SALE \$139.99**
2051 C&O ALLEGHENY W/DCC & SOUND **\$69.99**



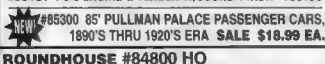
RIVAROSS #4036 3-PACK 60" HEAVYWEIGHT
PASSENGER CARS CNW & PRR **SALE \$79.99**



#4036 60" HW PASSENGER COACH CNW & PRR **\$29.99**



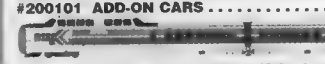
RAPIDO #107100 "OH, SO STEAMY"
OPERATING STEAM
GENERATOR CAR



SALE \$45.99



MODEL POWER
#96500 0-4-0 SADDLE TANK
WITH DIRECTIONAL LIGHTING
ASSORTED **\$11.99 EA.**



#96705 DIESEL PORTER
WITH DIRECTIONAL LIGHTING
ASSORTED **\$11.99 EA.**



GET EVEN BETTER PRICES
THAN WHAT YOU SEE HERE!
SIGN UP FOR E-MAIL
SALES & NEWS

ON OUR WEBSITE AND RECEIVE BY E-MAIL
EXTRA DISCOUNTS, SPECIALS AND
SUPER SALE ITEMS

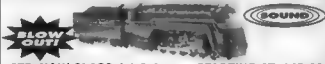


BLUELINE BROADWAY LIMITED
HIGH QUALITY - WHOLESALE PRICING
DC SOUND EQUIPPED/DCC READY

| | |
|---------------------------------------|-----------|
| 5000 SD40-2 | WHOLESALE |
| 5017 C&O T-1 2-10-4 | WHOLESALE |
| 5020 SD-9 | WHOLESALE |
| 5033 PENNSYLVANIA M1a/b 4-8-2 | WHOLESALE |
| 5040 C30-7 | WHOLESALE |
| 5055 GE-AC 6000 | WHOLESALE |
| 5067 SD-7 | WHOLESALE |
| 5077 N&W CLASS A 2-6-6-4 | WHOLESALE |
| 5080 UP DIE-CAST BIG BOY 4-8-4 | WHOLESALE |
| 5085 PENNSYLVANIA J-1 | WHOLESALE |
| 5089 RSD-15 | WHOLESALE |
| 5101 EMD F-7A, F-7B or F-7AB | WHOLESALE |
| 5120 ALCO FA, FB or FAB | WHOLESALE |
| 5140 PRR T1 DUPLX 4-4-4 | WHOLESALE |
| 5145 USRA 2-8-2 HEAVY MIKADO | WHOLESALE |
| 5158 SF 4-8-4 NORTHERN | WHOLESALE |
| 5163 SP AC4 CAB FORWARD | WHOLESALE |
| 5170 USRA 2-8-2 LIGHT MIKADO | WHOLESALE |
| 5180 NEW YORK CENTRAL 4-8-4 NIAGARA | WHOLESALE |
| 5200 N&W CLASS A 2-6-6-4 W/221 TENDER | WHOLESALE |
| 5205 F-3 A OR B OR AB | WHOLESALE |
| 5220 C16 2-8-0 | WHOLESALE |
| 5230 PENNSYLVANIA GG-1 | WHOLESALE |
| 5240 E-7 A OR B OR AB | WHOLESALE |
| 1011 BLUE LINE DC MASTER CONTROL | 29.99 |

BROADWAY LIMITED

| | |
|-----------------------------------|------------|
| 1055 USRA 4-6-2 LIGHT PACIFIC | SALE |
| 1196 20TH CENTURY LIMITED EDITION | \$39.99 |
| 1285 NYC L-4A MOWHAWK 4-8-2 | NEW! SALE |
| 1293 UP TT-6 2-10-2 COAL OR OIL | SALE |
| 1297 UP TT-6 2-10-2, BRASS | SUPER SALE |
| 1353 NYC J1E HUDSON W/P4 TENDER | 239.99 |



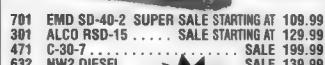
075 N&W CLASS J 4-8-4 **STARTING AT \$149.99**
321 UNLETTERED K-4 PACIFIC 4-6-2, SOUND **\$249.99**



| | |
|---------------------------|------|
| 401 F-7 | SALE |
| 1400 F-7 A, B, AB | SALE |
| 441 E-8/E-9 | SALE |
| 601 E-7A, ASSORTED RDS. | SALE |
| 658 E67 DUMMY B, NO SOUND | SALE |
| 727 E-7 A-B | SALE |
| 722 E-7 A-B | SALE |
| 735 E-7 A, NEW ROADS | SALE |
| 760 E-3/E-6 | SALE |
| 1182 E-7 A, AB | SALE |
| 1360 E-8/E-9 A OR B | SALE |



| | |
|--|-------------------------|
| 701 EMD SD-40-2 SUPER SALE STARTING AT | 109.99 |
| 301 ALCO RSD-15 | SALE STARTING AT 129.99 |
| 471 C-30-7 | SALE 199.99 |
| 632 NW2 DIESEL | SALE 139.99 |
| 645 SW7 DIESEL | SALE 139.99 |
| 685 AC 6000 CW | SALE 199.99 |
| 1200 NW2 DIESEL | SALE 139.99 |
| 1242 SD40-2 | 179.99 |



| | |
|---------------------------------------|------------------|
| 501 ZEPHYR CHROME PASS. CARS | SUPER SALE 39.99 |
| 1535 MORE ASSORTED ZEPHYR CARS | CALL |
| 1570 SP COAST "DAYLIGHT" PASS. CARS | NEW |
| 284 K7A STOCK CAR, SOUND READY | SALE 17.99 |
| 820 STOCK CARS W/CATTLE OR HOG SOUNDS | 79.99 |
| 850 STOCK CAR 4/PK, NO SOUND | 79.99 |
| 869 53" WOOD REEFER | 19.99 |



| | |
|---|-------|
| 1001 HO DC SOUND ACTIVATOR (SIDE KICK) | 29.99 |
| 1003 QUANTUM ENGINE PROGRAM & ACTIVATOR | 39.99 |



PRECISION CRAFT
Now Taking Orders

| | |
|---|--------------------|
| 0885 PRR 2-10-0-1-1 SA | 304.99 |
| 2055 SD-7 | 219.99 |
| 2945 SP "Daylight" GS-4 4-8-4, Smoke/Die-Cast | 349.99 |
| 3045 F-3's | Starting At 289.99 |
| 4185 GALLOPING GOOSE | Starting At 189.99 |
| 5865 READING 4-8-4 T-1 | 309.99 |
| 680 SP "DAYLIGHT" PASSENGER CARS | CALL |
| 1001 ANALOG CONTROL MODUL | 29.99 |
| 2005 GE AC 6000 | SALE |

#29001 HO ATHEARN FLEXIBLE BUS
NEW \$16.99



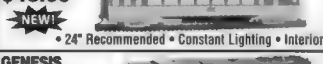
#92150 HO Scale Athearn WORK TRAIN SET
\$39.99 Ea. SET



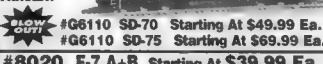
Cars In Set: Tank Car, Flat Car, Gondola, Derrick Car
NYC CNW NW

ATHEARN HO GENESIS
SOUND
HOT!

| | |
|-------------------------------|-------------|
| #G9120 UP 4-6-6-4 CHALLENGER | HOT 299.99 |
| #G9150 UP 4-8-4 BIG BOY | HOT 299.99 |
| #G9200 UP 4-8-4 FEF | NEW 279.99 |
| #G97000 SP 4-8-2 MT-4 | NEW 269.99 |
| #G9235 UP 4-8-4 FEF, NO SOUND | SALE 209.99 |



NEW GENESIS #097101 HO Athearn
SOUTHERN PACIFIC 77 FULLMAN CLIMB CAR
\$43.99



GENESIS HO Scale
Athearn
LOW! #G6110 SD-70 Starting At \$49.99 Ea.
#G6110 SD-75 Starting At \$69.99 Ea.



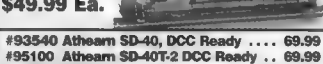
#8020 F-7 A+B Starting At \$39.99 Ea.



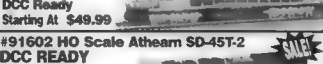
#95801 HO Scale
Athearn SW1000
NEW
\$63.99 Ea.



#95840 HO Scale Athearn SW1500 **\$63.99 Ea.**



#94000 HO Scale
Athearn RS-3
DCC READY
\$64.99 Ea.



#93500 HO Scale Athearn SD-38
DCC READY
STARTING AT
\$49.99 Ea.



#93540 Athearn SD-40, DCC Ready **69.99**
#95100 Athearn SD-40T-2 DCC Ready .. **69.99**



#95200 Athearn
SD-40-2
DCC Ready
Starting At **\$49.99**



#91602 HO Scale Athearn SD-45T-2
DCC READY
STARTING AT
\$49.99 Ea.



#95404 HO Scale Athearn SD-45
DCC READY **\$69.99 Ea.**



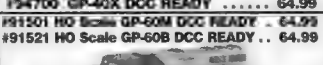
#8040 HO Scale
Athearn SD-50
DCC READY
\$69.99 Ea.



#91652 HO Scale Athearn SD-60
DCC READY
STARTING AT
\$49.99



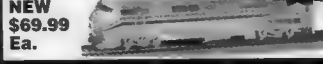
#91531 HO Scale
Athearn CF-7
DCC READY
STARTING AT **\$39.99 Ea.**



#80871 HO Scale Athearn C44-9W
DCC READY
STARTING AT
\$49.99 Ea.



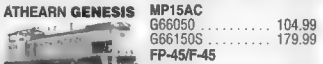
#8080 HO Scale Athearn AC4400
DCC READY
\$69.99 Ea.



#91701 HO Scale Athearn GP-35
DCC READY
STARTING AT
\$49.99 Ea.

ATHEARN HO GENESIS
NEW LOWER PRICES
(S-SOUND)

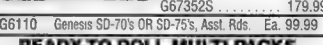
| | | | | | |
|-------------|--------|-------|--------|-------|--------|
| G1000 F7A | 99.99 | F7A/B | 199.99 | F7ABA | 299.99 |
| G1000S F7A | 149.99 | F7A/B | 299.99 | F7ABA | 419.99 |
| G10701 F2A | 99.99 | F2A/B | 199.99 | F2ABA | 299.99 |
| G10801S F2A | 149.99 | F2A/B | 299.99 | F2ABA | 419.99 |
| G2000S F3A | 99.99 | F3A/B | 199.99 | F3ABA | 299.99 |
| G2000S F3A | 149.99 | F3A/B | 299.99 | F3ABA | 419.99 |
| G3000S F8A | 99.99 | F8A/B | 199.99 | F8ABA | 299.99 |
| G3000S F8A | 149.99 | F8A/B | 299.99 | F8ABA | 419.99 |



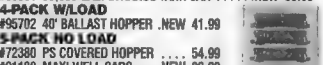
ATHEARN GENESIS
MP15AC
G66050 104.99
G66150S 179.99
FP-45/F-45
G67501 104.99
G67601S 179.99



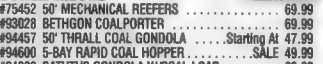
ATHEARN GENESIS
SD-45-2
G67050 Starting At 69.99
G67150S 179.99



ATHEARN GENESIS
SD-60M/SD-60I
G67252 104.99
G67352S 179.99



G6110 Genesis SD-70s OR SD-75s, Asst. Rds. Ea. 99.99



READY-TO-ROLL MULTI-PACKS

5-PACK
#93881 30,000 GAL. ETHANOL TANK CAR **NEW \$9.99**
4-PACK W/LOAD
#95702 40' BALLAST HOPPER .NEW 41.99

3-PACK NO LOAD
#72380 PS COVERED HOPPER **\$4.99**
#91100 MAXI WELL CARS **NEW \$9.99**
#92785 FMC COVERED HOPPER **\$4.99**

5-PACK W/LOAD
#75452 50' MECHANICAL REEFERS **69.99**
#93028 BETHGON COAL PORTER **69.99**
#94457 50' THRALL COAL GONDOLA **Starting At 47.99**
#94608 5-BAY RAPID COAL HOPPER **SALE 49.99**
#92000 BATHUB GONDOLA W/COAL LOAD **69.99**

6-PACK
#70810 34' COAL HOPPER W/LOAD **\$4.99**
#71434 40' REEFERS **59.99**
#73225 40' STOCK CAR **\$4.99**
#92777 40' QUAD HOPPERS **\$4.99**
#94952 28' TIGHT BOTTOM ORE CAR W/LOAD **\$4.99**
#95600 40' 3-BAY HOPPER W/LOAD **69.99**

ATHEARN READY-TO-ROLL - Asst. Rds. STARTING AT
7800 HEAVY WEIGHT PASSENGER CARS **Ea. 12.99**
7900 STREAM LINED PASSENGER CARS **Ea. 12.99**
7700 CONTAINERS **PRICES VARY**
28401 TRAILERS **PRICES VARY**
28900 57' ALL PURPOSE SPINE CAR (3 PCS) **Ea. \$4.99**
7000 40' STEEL BOXCAR **Ea. 12.99**
70161 40' DOUBLE DOOR BOXCAR **Ea. 12.99**
7025 50' PLUG DOOR BOX **Ea. 12.99**
70371 40' Y.S.D. BOXCAR **Ea. 12.99**
7050 50' RAILBOX **Ea. 12.99**
7070 50' SINGLE DOOR BOXCAR **Ea. 12.99**
7100 57' REEFER **Ea. 12.99**
7120 40' STEEL REEFER **Ea. 12.99**
7150 54' PS 3-BAY COVERED HOPPER **Ea. 12.99**
7170 50' 5344 BOXCAR **Ea. 13.99**
71984 40' GRAIN BOXCAR **Ea. 12.99**
7200 CENTER FLOW HOPPER **Ea. 12.99**
72550 HUSKY STACK W/CONTAINERS **Ea. 19.99**
7275 CHEMICAL TANK CAR **Ea. 12.99**
7300 SINGLE DOME TANK CAR **Ea. 12.99**
73231 40' Stock Car **Ea. 12.99**
7350 THREE DOME TANK CAR **Ea. 13.99**
7370 62' TANK CAR **Ea. 13.99**

N GAUGE SUPERSALE

N SCALE BACHMANN/ER MODELS
#18352 SHARK NOSE A-POWERED/B-POWERED
SET DCC READY ASSORTED ROADS LIST \$449.00
Starting At \$24.99 EA. SET

N SCALE DIE-CAST ENGINES MODEL POWER
SUPER SALE \$49.99 Ea. #7400 4-2 Pacific, Assorted Roads
 List \$149.99 #7570 2-2 Mikado, Assorted Roads

N SCALE SUPERSALE - ASSORTED ROADS

| | | |
|-----------|---|--------------------|
| N 10010 | Athearn F-59 SUPER SALE STARTING AT | 29.99 |
| N 10460 | Athearn Coal Porter 5-Car Set w/Load | 29.99 |
| N 10701 | Athearn SD70/S075 | 64.99 |
| N 10901 | Athearn 2-8-0 Engine & Tender | 49.99 |
| N 11021 | Athearn Overton 34' 4-Car Pass. Set | 41.99 |
| N 11800 | Athearn 4-8-6-4 Challenger w/Snd | 279.99 |
| N 11820 | Athearn 4-8-6-4 Big Boy w/Snd | 279.99 |
| N 11851 | Athearn Overland 50' 4-Car Pass. Set | 41.99 |
| N 11890 | Athearn 2-6-0 Engine & Tender | 49.99 |
| N 15800 | Athearn F45/FP45 | NEW 69.99 |
| N 15850 | Athearn F45/FP45 DCC & Sound | NEW 159.99 |
| N 41601 | Atlas 2-6-0 Mogul, Engine & Tender | 89.99 |
| N 41620 | Atlas Shay | NEW HOT! IN STOCK |
| N 42000 | Atlas RS-3 | 64.99 |
| N 42001 | Atlas RS-D-4/5 | 64.99 |
| N 42002 | Atlas RS-1 | 64.99 |
| N 44014 | Atlas RS-1 | 64.99 |
| N 44500 | Atlas U-25B | 64.99 |
| N 45900 | Atlas U-238 | 64.99 |
| N 46500 | Atlas GP-35 | 64.99 |
| N 47502 | Atlas GP-30 | 64.99 |
| N 48000 | Atlas GP-7 | 64.99 |
| N 48100 | Atlas GP-9 Torpedo Tube | 64.99 |
| N 48300 | Atlas GP-9 | 64.99 |
| N 48400 | Atlas GP-9 Torpedo | 64.99 |
| N 48500 | Atlas GP-40 | 64.99 |
| N 48700 | Atlas Dash 8-40B | 64.99 |
| N 48800 | Atlas 8-40B/8-32 BHW | 64.99 |
| N 48900 | Atlas SD-60 | 64.99 |
| N 49300 | Atlas SD-60 | 64.99 |
| N 49400 | Atlas SD-35 | 64.99 |
| N 49500 | Atlas TrainMaster | 64.99 |
| N 49700 | Atlas B23-7 | 64.99 |
| N 49800 | Atlas GP-38 | 64.99 |
| N 49904 | Atlas B30-7 | 64.99 |
| N 50001 | Atlas VO 1000 Switcher | 64.99 |
| N 51800 | Atlas 8-40C | 64.99 |
| N 51900 | Atlas 8-40CW | NEW 79.99 |
| N 52000 | Atlas H15/16-44 | 64.99 |
| N 52201 | Atlas MP15DC Switcher | 64.99 |
| N 52600 | Atlas Trainman GP-15 | NEW 99.99 |
| N 53500 | Atlas SD-9 | 64.99 |
| N 53602 | Atlas SD-9 | 64.99 |
| N 54000 | Atlas C-62B | 64.99 |
| N 54200 | Atlas C-630 | 64.99 |
| N 54400 | Atlas SD-24 | 64.99 |
| N 54500 | Atlas SD-26 | 64.99 |
| N 4000000 | Atlas C-420 | NEW 74.99 |
| N 50551 | Bachmann 2-6-0 w/Tender | 44.99 |
| N 51351 | Bachmann 2-2 Prairie w/Tender | 44.99 |
| N 58052 | Bachmann Northern 4-8-4 | 69.99 |
| N 61085 | Bachmann Brill Trolleys | 22.99 |
| N 71751 | Bachmann 4-4-0 American | 44.99 |
| N 14156 | Bachmann Amtrak Passenger Cars | 21.99 |
| N 16351 | Bachmann 40' Log Cars | NEW 11.99 |
| N 19395 | Bachmann Jackson Steam Locomotive | 14.99 |
| N 24130 | Bachmann ACLA SET SUPER SALE | 199.99 |
| N 60052 | Bachmann MDT Plymouth Diesel | 21.99 |
| N 61251 | Bachmann GP-50 | 22.99 |
| N 61351 | Bachmann B23/B30 | 35.99 |
| N 61451 | Bachmann H16-44 | 39.99 |
| N 62251 | Bachmann D40DAX | NEW 59.99 |
| N 62995 | Bachmann Streamlined Trolleys | 14.99 |
| N 63552 | Bachmann GP-40 | 22.99 |
| N 64052 | Bachmann U36-B | 22.99 |
| N 81152 | Bach/Spect. Consolidation 2-8-0 | SALE 59.99 |
| N 81252 | Bachmann F7A & F7B Powered | 59.99 |
| N 81551 | Bachmann Acela Locos (2), Non-Pwr'd | 59.99 |
| N 81651 | Bach/Spectrum 4-8-2 Mountain | SALE 69.99 |
| N 81851 | Bach/Spect. 4-AT Switcher DCC On-Board | NEW 54.99 |
| N 82152 | Bachmann N&W Class J 4-8-4 | Starting At 69.99 |
| N 82511 | Bach/Spectrum 4-8-2 Mountain DCC | 149.99 |
| N 82651 | Bach/Spect. 2-6-2 Articulated | SALE 99.99 |
| N 82751 | Bach/Spectrum SD-45 DCC Ready | 49.99 |
| N 83051 | Bachmann Amtrak FHP-2 | Starting At 69.99 |
| N 83051 | Bach/Spect. 4-8-2 DCC Ready | SALE 59.99 |
| N 88051 | Bach/Spect. 8-40CW DCC Ready | SALE 59.99 |
| N 89451 | Bachmann Vandy Tender | 21.99 |
| N 89851 | Bachmann USRA Long Tender | 21.99 |
| N 89971 | Bachmann Acela Cafe Car | Powered 84.99 |
| N 79002 | Kato PAX | STARTING AT 79.99 |
| N 105 | Kato SD40-2 or SD-40 | EA. 89.99 |
| N 106060 | Kato SP Daylight 10-Car Pass. Set | 169.99 |
| N 106068 | Kato PRR 10-Car Pass. Set OUR PRICE | CALL |
| N 106100 | Kato 4-Car Smooth Side Pass. Set | 69.99 |
| N 1063510 | Kato Amtrak 4-Car Set | 69.99 |
| N 1260211 | Kato 2-8-2 Heavy Mikado | 109.99 |
| N 1260301 | Kato 4-8-4 CS4 Daylight | NEW 134.99 |
| N 1372001 | Kato GG-1, Green | CALL FOR PRICE |
| N 1765305 | Kato F-8/9 | NEW 65.00 |
| N 176001 | Kato P42 Amtrak | 2/PK 139.99 |
| N 1761101 | Kato F23 | STARTING AT 65.00 |
| N 1762121 | Kato F23 | STARTING AT 59.99 |
| N 1763610 | Kato C44-9W | NEW 59.99 |
| N 1764351 | Kato NW-2 Switcher | NEW 59.99 |
| N 1766300 | Kato SD-70 | 69.99 |
| N 1767000 | Kato AC4400 CW | 69.99 |
| N 1768401 | Kato SD70A/Ce Heritage Paint Scheme | CALL |
| N 7105 | Life Like Proto GP-18 | 59.99 |
| N 7222 | Life Like C-Liner A&B Powered | 69.99 |
| N 7402 | Life Like Proto GP-60 | 59.99 |
| N 7415 | Life Like F1/FB1 | SUPER SALE 59.99 |
| N 7465 | Life Like 2-8-4 Berkshire | STARTING AT 89.99 |
| N 7525 | Life Like 2-8-8-2, Heritage | 199.99 |
| N 7587 | Life Like Alco C424/425 | 54.99 |
| N 7547 | Life Like Alco PA | 69.99 PA/PB 134.99 |
| N 7629 | Life Like FA2 & FB2 | SUPER SALE 59.99 |
| N 7701 | Life Like 1009 | SALE 49.99 |
| N 7794 | Life Like GP-20 | 59.99 |
| N 7825 | Life Like E8/9 A OR AB | STARTING AT 24.99 |
| N 7841 | Life Like GP-38 | STARTING AT 19.99 |
| N 7944 | Life Like SW-8, PROTO | 49.99 |
| N 90000 | Life Like 0-6-0, PROTO | NEW 124.99 |
| N 90100 | Life Like Y3 2-8-6-2 w/Snd DCC, PROTO | 239.99 |
| N 8050 | MDC Roadhouse 2-6-0 Mogul | NEW 49.99 |
| N 7420 | Model Power 4-2 Semi-Streamline Die-Cast | 99.95 |
| N 7440 | Model Power FP-7 Diesel Die-Cast | 39.95 |
| N 7601 | Model Power 2-6-0 Mogul | NEW 89.95 |
| N 7621 | Model Power 4-4-0 American | NEW 89.95 |
| N 0015 | Precision Craft M1A/M16 PRR 4-8-2 W/LOK Snd | 259.99 |

WE CARRY THE FULL KATO N SCALE TRACK LINE & WALTHERS N SCALE BUILDINGS

ATLAS

#R2379A HO HORNBY EUROSTAR 6-PC SET ...\$224.99
 #89194 HO PIKO ICE 4-PC TRAIN SET\$199.99

ATLAS HO ROLLING STOCK SUPERSALE - R-T-R
 1000 Coalveyor Baitub Gondola Ea. 17.95
 1030 11,000 Gallon Tank Car Ea. 19.99
 1150 70 Ton Hart Ballast Hopper Ea. 19.95
 1300 Cupola Caboose Ea. 19.95
 1330 50' Smooth Side Boxcar Ea. 16.95
 1350 50' Rib Side Boxcar Ea. 19.95
 1400 3-Bay Center Flow Hopper Ea. 17.95
 1500 Pressurized Center Flow Hopper Ea. 19.95
 1550 17,360 Gal. Tank Car Ea. 18.99
 1600 Pulpmound Flat Car Ea. 16.95
 1650 60' Single Door Auto Box Car Ea. 14.95
 1670 60' Double Door Auto Box Car Ea. 14.95
 1700 Kaelin Tank Cars Ea. 14.95
 1720 33,000 Gals. Tank Car Ea. 19.99
 1800 PS-2 Covered Hopper Ea. 19.95
 1851 2 Bay Offset Hopper Flat End Ea. 11.95
 1900 Extended Vision Caboose Ea. 19.95
 1931 3-Bay Cylindrical Hopper Ea. 17.95
 1953 6-Bay Cylindrical Hopper Ea. 17.95
 4000 Thrill Gondola NEW Ea. 19.99
 6101 36' Wood Reefer Ea. 19.99
 6230 Trinity 17,600 Gallon Tank Car Ea. 18.95
 6301 NE-6 Caboose Ea. 19.99
 6330 Articulated Auto Carrier Ea. 36.99
 2000000 4-Bay Center Flow Hopper Ea. 19.99
 2000013 89' Flat Car NEW Ea. 24.99
 2000083 20,700 Gallon Tank Car Ea. 19.99
 2000146 48' Well Car NEW Ea. 19.99
 20000170 1932 ARA Boxcar NEW Ea. 19.99
 20000193 4-Bay Grain Hopper NEW Ea. 19.99

NEW! HO TRAINMAN HO ATLAS ASSORTED ROADS HOT!

| | |
|--------------------------------|-------|
| 8380 RS-32/RS-38 | 59.99 |
| 901 GP-38-2 | 59.99 |
| 909 52' Gondola | 10.99 |
| 918 50' Boxcar | 10.99 |
| 927 70 Ton 3-Bay Hopper | 10.99 |
| 936 Centertlow Covered Hopper | 10.99 |
| 945 Cupola Caboose | 10.99 |
| 11710 PS-2 Covered Hopper | 10.99 |
| 18870 2-Bay Offset Hopper | 10.99 |
| 20000128 Thrall Covered Hopper | 10.99 |

HO SCALE ATLAS

| | |
|----------------------------|---------------|
| #9300 C-424/C425 DCC Ready | 64.99 EA |
| #8267 U238 DCC Ready | 64.99 EA |
| #8270 U238 DCC Ready | SALE 49.99 EA |

SILVER SERIES

| | |
|--------------------------|-----------|
| #8002 B23-7 DCC Ready | 89.99 EA |
| #8003 B30-7 DCC Ready | 89.99 EA |
| #10000434 U30B DCC Ready | 109.99 EA |

GOLD SERIES

| | |
|----------------------------|-----------|
| #8102 B23-7 W/Sound/DCC | 199.99 EA |
| #8103 B30-7 W/Sound/DCC | 199.99 EA |
| #10000454 U30B W/Sound/DCC | 179.99 EA |

#8402 GP-7 ...\$44.99

| | |
|----------------------|-------------|
| #9100 GP-38 | 64.99 |
| #9119 GP-38 | 64.99 |
| #20000215 GP-7 69.99 | NEW |
| #9189 GP-40 | \$85.99 Ea. |

HO SCALE ATLAS DASH 8-40C

| | |
|-------------------------------|-----------|
| #9695 Gold Series W/DCC/Sound | 179.99 EA |
| #7600 Silver Series DCC Ready | 79.99 EA |

HO SCALE ATLAS DASH 8-40CW

| | |
|-------------------------------|-----------|
| #9697 Gold Series W/DCC/Sound | 179.99 EA |
| #7602 Silver Series DCC Ready | 89.99 EA |

HO SCALE ATLAS D-26

| | |
|-------------------------------|-----------|
| #7930 W/Sound/DCC GOLD SERIES | 189.99 EA |
| #7902 DCC Ready SILVER SERIES | 79.99 EA |

HO Scale Atlas SD-24

| | |
|-------------------------------|-----------|
| #7551 W/Sound/DCC GOLD SERIES | 189.99 EA |
| #7501 DCC Ready SILVER SERIES | 79.99 EA |

HO Scale Atlas USOC

| | |
|-------------------------------|---------------------|
| #7300 DCC Ready SILVER SERIES | SUPER SALE 59.99 EA |
| #7364 DCC Ready SILVER SERIES | 89.99 EA |
| #7401 DCC Equipped | 89.99 EA |

HO SCALE ATLAS

| | |
|----------------|------------|
| #7100 RS-1 | \$79.99 EA |
| #7001 RS-3 | EA |
| #8490 RS-D-4/5 | EA |
| #8781 RS-11 | EA |

NEW HO SCALE

| | |
|--------------------------------|-----------|
| Atlas | |
| #7038 SD-35/SDP-35 GOLD SERIES | 189.99 EA |
| #9200 SD-35/SDP-35 | 85.99 EA |

HO SCALE ATLAS #9500 H15/16 DCC EQUIPPED \$99.99 EA.

| | |
|----------------|--|
| ASSORTED ROADS | |
| SALE | |

ATLAS HO

| | |
|-----------|------------|
| #8800 S-1 | \$59.99 EA |
| #8700 S-2 | EA |
| #8750 S-4 | EA |

ATLAS #10000421 HO SCALE HH600/660 \$89.99 EA. NEW!

KATO

#R2379A HO HORNBY EUROSTAR 6-PC SET ...\$224.99
 #89194 HO PIKO ICE 4-PC TRAIN SET\$199.99

ATHEARN USPS (UNITED STATES POSTAL SERVICE)
 10332 FORD BOX VAN TRUCK 12.00 2.99
 10370 BILLBOARD 8.00 1.99

N SCALE

SUPER SALE
 10332 FORD BOX VAN TRUCK 12.00 2.99
 10370 BILLBOARD 8.00 1.99

HO SCALE

| | | |
|----------------------------|-------|------|
| 93308 50' BOXCAR | 17.00 | 3.99 |
| 93382 BILLBOARD | 10.00 | 1.99 |
| 93429 FORD TRUCK W/TRAILER | 18.00 | 3.99 |

HO MODEL POWER

#19390 DIE-CAST POLICE CARS
\$4.99 Ea.

HO MODEL POWER

F7A DIE-CAST BODY
 #2160 DCC READY \$39.99 EA.
 #21601S DCC/SOUND \$84.99 EA.

METAL HO DIE-CAST METAL FREIGHT CARS READY-TO-RUN \$11.99 Ea.

| | | |
|-----------------------------|---------------------|-------------------|
| 1900 METAL U23 ORAR | 2170 METAL BOXCAR | 2228 METAL REEFER |
| 2190 METAL TANK CAR | 2246 METAL FLAT CAR | 2290 METAL HOPPER |
| 3990 METAL 3-PK U29 ORE CAR | | \$33.99 |

WE CARRY MODEL POWER N, HO, O BUILDINGS!

#293 HO or N DEFECTIVE JUNK!
 Good For Parts or Resale
 "As Is" \$200 Value **\$75.00**

MRC-DCC SYSTEMS

| | |
|---|------------------|
| 0001007 WIRELESS CONTROLLER W/STEAM SOUND MODULE | 54.99 |
| 0001008 STEAM SOUND MODULE | 44.99 |
| 0001025 SYNCHRO SOUND BOX | 51.99 |
| 0001050 BLACK BOX, SOUND ACTIVATOR | 47.99 |
| 0001406 PRODIGY ADVANCE DCC SYSTEM | SALE 149.99 |
| 0001408 PRODIGY EXPRESS DCC SYSTEM | 124.99 |
| 0001409 PRODIGY EXPRESS WALKAROUND | 60.99 |
| 0001410 PRODIGY ADVANCE WIRELESS | NEW 374.99 |
| 0001411 WIRELESS WALKAROUND | NEW 119.99 |
| 0001412 WIRELESS CONVERSION SET | NEW 179.99 |
| 0001414 PRODIGY ADVANCE 2 (SQUARED) | NEW 227.99 |
| 0001415 PRODIGY ADVANCE DCC WALKAROUND | 69.99 |
| 0001419 PRODIGY EXPRESS WALKAROUND | 60.99 |
| 0001626 HO DECODER W/SYNCHRO DIESEL SOUND | 49.99 |
| 0001629 HO DECODER STEAM SYNCHRONIZED SND | 49.99 |
| 0001631 HO BRILLIANCE DIESEL SOUND DECODER | 74.99 |
| 0001632 HO BRILLIANCE EM LARGE SOUND DECODER | 74.99 |
| 0001633 HO BRILLIANCE EMT SOUND DECODER | 74.99 |
| 0001634 HO DIESEL SOUND DECODER SNAP-IN | 34.99 |
| 0001638 HO BRILLIANCE MINI EMT SOUND DECODER | 55.99 |
| 0001639 HO BRILLIANCE MINI STEAM SOUND DECODER | 55.99 |
| 0001643 HO BRILLIANCE MINI SWITCHER SOUND DECODER | 55.99 |
| 0001651 HO GAUGE DECODER | SUPER SALE 16.99 |
| 0001656 HO BRILLIANCE STEAM DUAL FUNCTION | 55.99 |
| 0001657 HO BRILLIANCE DIESEL DUAL FUNCTION | 55.99 |
| 0001662 HO SOUNDER SOUND ONLY DECODER | 24.99 |
| 0001663 HO SOUNDER DECODER FOR ATLAS S2/S4 | 55.99 |
| 0001665 HO SOUNDER STEAM | 24.99 |
| 0001666 HO SOUNDER DIESEL ALCO SD60/70F | 24.99 |
| 0001800 HO SOUND DECODER UNIVERSAL S060/S070 | 55.99 |
| 0001801 HO DROP-IN SOUND DECODER | 55.99 |
| A0360 DISPATCH DECODER | 10.99 |
| A0491 PRODIGY DISPATCH WALKAROUND BLOWOUT | 19.99 |
| A0501 POWER STATION 8 | 119.99 |
| A0520 AUTO REVERSE LOGIC MODULE | 24.99 |

MRC-POWER PACKS & SOUND SYSTEMS

| | |
|--|--------|
| A4224 TRAIN POWER 6200 | 99.99 |
| A4444 CONTROL MASTER 20 | 149.99 |
| A4555 SYMPHONY SOUND SYSTEM | 54.99 |
| A4552 CITY COUNTRY SOUND SYSTEM, 18 SOUNDS | 49.95 |
| A0111 TECH 4, 200 BASIC TRANSFORMER | 40.99 |
| A0116 TECH 4, 250 DUAL POWER | 51.99 |
| A0121 TECH 4, 220 W/MOMENTUM | 45.99 |
| A0131 TECH 4, 260 W/MOMENTUM | 54.99 |
| A0650 POWER COMMAND 9500 W/METERS | 80.99 |

WE CARRY THE COMPLETE LINE CALL WITH STOCK NUMBER

ATLAS HO Scale Gold Series

#10000100 C-420 W/DCC & Sound
\$159.99 EA.

HO Scale Atlas Silver Series

#10000000 C-420 DCC Ready **\$89.99 EA.**

ATLAS HO #8270 U-

PROTO 2000

LIFE LIKE

PROTO 1000

WALTHERS

#5990 QUANTUM ENGINEER SMD CONTROL ...\$39.99

#40570 PROTO 2000 FT AB or AA, DCC & SOUND \$289.99 EA. SET



#40588 PROTO 2000 F7A or F7B, DCC & SOUND \$159.99



PROTO 2000
#31476 GP-20 89.99
#31496S GP-20 W/QUANTUM SOUND 159.99
#31899 GP-20 HI-HOOD 89.99
#31897S GP-20 HI-HOOD W/QUANTUM SMD 129.99
#31924 GP-20 UNDEC. SUPER SALE 39.99



PROTO 2000
#31331 RS-27 79.99
#31333S RS-27 W/QUANTUM SOUND 129.99
#31365S U-28B W/QUANTUM SMD 159.99
#31401S U-30B W/QUANTUM SMD STARTING AT 109.99



PROTO 2000
#31060 U-28B 69.99
#31110 U-30B 69.99



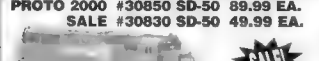
PROTO 2000
#40775S FM W/DCC & SOUND .NEW 189.99
#40777S FM DCC READY NEW 124.99



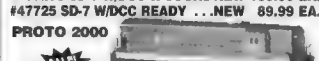
PROTO 2000
#31123 GP9 89.99
#40850S GP-9 W/DCC & SOUND NEW 159.99
#47850 GP-9 DCC READY NEW 89.99



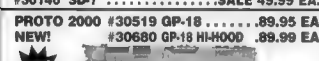
PROTO 2000
#30740 SD-45 39.99 EA. SALE
#30719 SD-45 39.99 EA. SALE



PROTO 2000
#30850 SD-50 89.99 EA. SALE
#30830 SD-50 49.99 EA. SALE



PROTO 2000
#40725S SD-7 W/DCC & SOUND NEW 159.99 EA.
#47725 SD-7 W/DCC READY NEW 89.99 EA.



PROTO 2000
#30032 SD-9 (DRG Only) SALE 49.95 EA.
#30140 SD-7 SALE 49.99 EA.



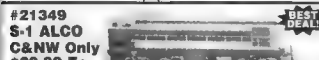
PROTO 2000
#30519 GP-18 89.95 EA. NEW!
#30680 GP-18 HI-HOOD 89.99 EA.



PROTO 2000
#30554 GP-60 SALE \$69.99



PROTO 2000
#30540 BNSF GP-60 SALE \$59.95



PROTO 2000
#30155 SD-60 \$84.99 EA. **NOT!**



PROTO 2000
#40100 ALCO PA BLOWOUT A/B SET \$79.99 ea. A UNIT.....\$59.99 ea.



PROTO 2000
#30953 ALCO PA A/B \$129.99
A-UNIT \$64.99 **BLOW OUT!**

#21349 S-1 ALCO C&NW Only \$39.99 EA. **BEST DEAL!**

#30965 PROTO 2000 S-3 \$76.99 EA.

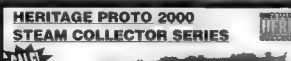
#30056 SW8/900/600 **SUPER SALE!** \$49.99 Ea.

NEW PROTO 2000
#31426 SW8 SUPER SALE 59.99
#31456S SW-8 W/QUANTUM SOUND 149.99

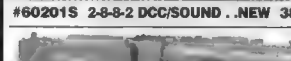
#21508 PROTO 2000 GP30 Phase I **BLOWOUT!** Assorted Roads \$29.99 Ea.

PROTO 1000
R21/22 NEW YORK CITY SUBWAY SETS

#31016 GREEN SALE \$149.99
#31018 SILVER/BLUE STRIPE SALE \$159.99



HERITAGE PROTO 2000
STEAM COLLECTOR SERIES



#60201S 2-8-2 DCC/SOUND .NEW 389.99



#30011 2-8-4 BERKSHIRE .Starting At 139.99



#30211 0-6-0 Starting At 99.99
#31764S 0-6-0 W/QSI SOUNDSALE 189.99



#23302 0-8-0 STEAM LOCO 179.99
#60100S 0-8-0 W/DCC & SOUND 239.99



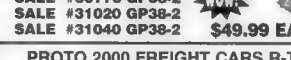
#60001S USRA, HEAVY 2-10-2 SMD/DCC 229.99



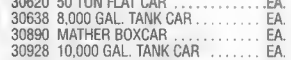
PROTO 2000
#31863 GP-30 LOW-HOOD SALE 59.99
#31861S GP-30 LOW-HOOD W/QUANTUM SMD 159.99
#40152 GP-30 HI-HOOD 89.99
#40150S GP-30 HI-HOOD W/QUANTUM SMD 159.99



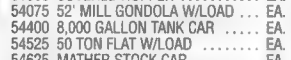
PROTO 2000
#40452 GP-7 89.99
#40450S GP-7 W/SOUND Starting At 119.99
#40851S GP7 W/DCC & SOUND 159.99
#47851 GP7 DCC READY 89.99



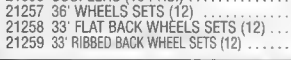
PROTO 2000
#30756 GP38-2 49.99 EA.
#30776 GP38-2 49.99 EA.
#31020 GP38-2 49.99 EA.
#31040 GP38-2 49.99 EA.



PROTO 2000 FREIGHT CARS R-T-R
21449 52' MILL GONDOLA SALE EA. 9.99
23378 COVERED HOPPER SALE EA. 9.99
30325 50' BOXCAR EA. 16.99
30620 50 TON FLAT CAR EA. 16.99
30638 8,000 GAL. TANK CAR EA. 19.99
30890 MATHER BOXCAR EA. 19.99
30928 10,000 GAL. TANK CAR EA. 19.99
30988 MATHER STOCK CAR EA. 19.99
31256 CENTER CUPOLA CABOOSE EA. 19.99
31611 WARTIME HOPPER EA. 19.99
31660 COVERED HOPPER EA. 19.99
54075 52' MILL GONDOLA W/LOAD EA. 23.99
54400 8,000 GALLON TANK CAR EA. 23.99
54525 50 TON FLAT W/LOAD EA. 23.99
54625 MATHER STOCK CAR EA. 23.99
54675 HI-SIDE COVERED HOPPER EA. 23.99



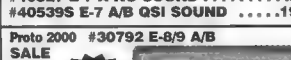
PROTO 2000 ACCESSORIES
21096 COUPLERS (10 PRS.) 8.99
12157 36' WHEELS SETS (12) 7.50
21258 33' FLAT BACK WHEELS SETS (12) 7.50
21259 33' RIBBED BACK WHEEL SETS (12) 7.50



PROTO 2000
#31179S E6 AB with QSI QUANTUM SOUND 209.99
#31181 E6 A with QSI QUANTUM SOUND 159.99
E6 A NO SOUND 139.99
E6 A NO SOUND 89.99



PROTO 2000
#40527 E-7 A NO SOUND 89.99
#40539S E-7 A/B QSI SOUND 199.99

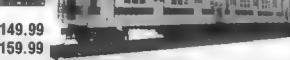


PROTO 2000
#30792 E-8/9 A/B SALE 69.99 **BEST DEAL!**



#30201 Proto 2000 FA2/FB2 **SUPER SALE!** \$39.99
#23437 Proto 2000 FA1/FB1 **BLOWOUT!** EA. A/B SET

PROTO 1000
SOUTHERN PACIFIC CAB FORWARD W/SOUND \$319.99



WALTHERS GE P42
SALE \$89.99 Ea.



#140-99337 AMTRAK #10
#140-99338 AMTRAK #55



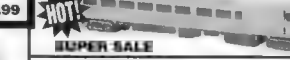
PROTO 1000
Assorted Roads **NOT!**



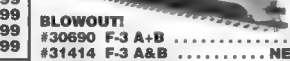
#30226 RS-11 59.99 EA.
#30702 RS-2 59.99 EA.
#31271 RS-2 59.99 EA.
#35100 RS-2 64.99 EA.
#35200 RSC-2 64.99 EA. NEW



#31688 Erie Built A Powered 39.99
A&B 79.99



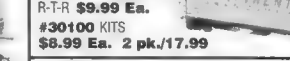
#23972 Proto 1000 BUDD RDC-2 19.99
#30385 Proto 1000 BUDD RDC-3 14.99



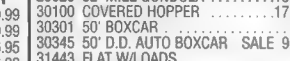
BLOWOUT!
#30690 F-3 A+B 45.00
#31414 F-3 A&B NEW 99.99
#35008 F-3A-UNIT NEW 59.99



LIFE LIKE GP-38 8074 CONRAIL
8073 NORFOLK & WESTERN
8075 UNION PACIFIC **NOT!**



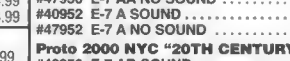
#23378 COVERED HOPPER R-T-R \$9.99 Ea.
#30100 KITS \$8.99 Ea. 2 pk./17.99



PROTO 2000 FREIGHT CAR KITS
21349 10,000 Gal. TANK CAR, UNDEC. 6.99
23628 52' MILL GONDOLA 13.95
30100 COVERED HOPPER 17.99
30301 50' BOXCAR 9.99
30345 50' D.D. AUTO BOXCAR SALE 9.95
31443 FLAT W/LOADS 16.99



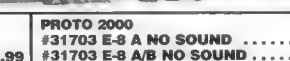
NEW PROTO 1000 R-T-R
#37001 3-BAY OPEN HOPPER SALE 7.99
#37051 50 TON GONDOLA SALE 7.99
#37101 50' EVANS HI-ROOF BOXCAR SALE 7.99
#37151 50' NEWSPRINT BOXCAR SALE 13.99



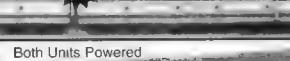
#8459 FREIGHT CARS (3) Horn Hook Couplers SALE \$9.99 ea.



PROTO 2000 "HIAWATHA"
#40950 E-7 AA SOUND 289.99
#47950 E-7 AA NO SOUND 199.99
#40952 E-7 A SOUND 149.99
#47952 E-7 A NO SOUND 104.99



PROTO 2000 NYC "20TH CENTURY LTD."
#40950 E-7 AB SOUND TBA
#47950 E-7 AB NO SOUND TBA
#40952 E-7 A SOUND TBA
#47952 E-7 A NO SOUND TBA



PROTO 2000
#31703 E-8 A NO SOUND 89.99
#31703 E-8 A/B NO SOUND 139.99
#31701S E-8 A/B QSI SOUND 209.99



WALTHERS
SPECIAL PASSENGER CAR SERIES

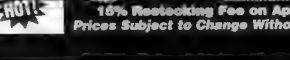
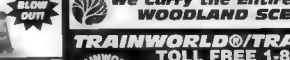
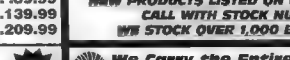
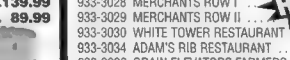
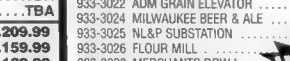
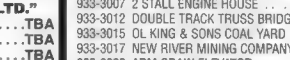
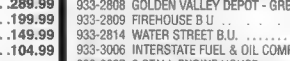
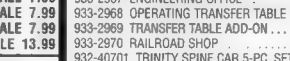
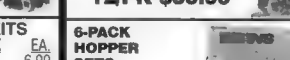
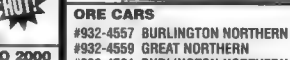
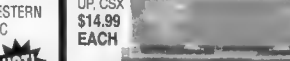
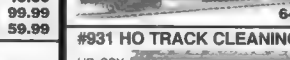
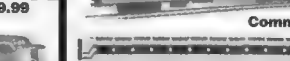
- METAL-PLATED FINISH AMTRAK SUPERLINERS
- MILWAUKEE HIAWATHA
- MILWAUKEE HIAWATHA, YELLOW & GRAY
- GREAT NORTHERN EMPIRE BUILDER
- SANTA FE SUPER CHIEF
- NEW YORK CENTRAL 20TH CENTURY LIMITED

CALL WITH STOCK NUMBERS

WALTHERS STEAM ERA HEAVYWEIGHT PASSENGER CARS

COMPLETE LISTING ON OUR WEBSITE

WALTHER'S HO PASSENGER CARS
COMPLETE LISTING ON OUR WEBSITE
NEW PRODUCTS LISTED ON OUR WEBSITE
CALL WITH STOCK NUMBER
WE STOCK OVER 1,000 PASSENGER CARS



WALTHERS
SPECIAL PASSENGER CAR SERIES

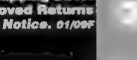
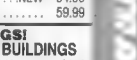
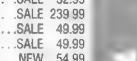
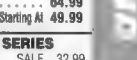
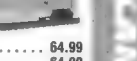
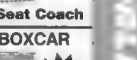
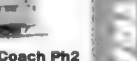
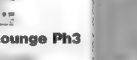
- METAL-PLATED FINISH AMTRAK SUPERLINERS
- MILWAUKEE HIAWATHA
- MILWAUKEE HIAWATHA, YELLOW & GRAY
- GREAT NORTHERN EMPIRE BUILDER
- SANTA FE SUPER CHIEF
- NEW YORK CENTRAL 20TH CENTURY LIMITED

CALL WITH STOCK NUMBERS

WALTHERS STEAM ERA HEAVYWEIGHT PASSENGER CARS

COMPLETE LISTING ON OUR WEBSITE

WALTHER'S HO PASSENGER CARS
COMPLETE LISTING ON OUR WEBSITE
NEW PRODUCTS LISTED ON OUR WEBSITE
CALL WITH STOCK NUMBER
WE STOCK OVER 1,000 PASSENGER CARS





This modern grade crossing scene may look accurate, but the black lines on the the first marker are slanting the wrong way. Photo by the MR staff

Grade crossing markers

Cody Grivno's article in the November 2008 *Model Railroader*, "Model a modern grade crossing," depicts the incorrect use of hazard markers on the center median approach to the crossing.

Unbeknownst to many drivers, hazard warning markers are actually directional. A driver is to pass to the side of the marker where the lines slant down.

Where a hazard exists on the right side of the road, it should be indicated with a marker with lines slanting down to the left. If a hazard like a raised median is in the middle of a road (as shown in the picture above), the lines should slant down to the right. Where the driver has the option of passing to the left or right of a hazard, like at an exit from a freeway, the marker should show chevrons that slant down to both sides of the sign.

Colin Murray
Napanea, Ontario, Canada

[A few other readers pointed out the same thing, Colin, and you're all correct. The lines should slant down to the right. A wealth of information on road signs and highway markings can be found in the *Manual on Uniform Traffic Control Devices*. This publication is available online at the Web site <http://mutcd.fhwa.dot.gov>. – Cody Grivno, associate editor]

Sellios' masterpiece

After a three-year absence from *Model Railroader*, I picked up the October issue and it was like being

reunited with an old friend. What an awe-inspiring surprise when I opened the November issue of MR and saw George Sellios' masterpiece. I cannot begin to imagine all the hours that must have gone into producing such an extraordinary piece of work. I feel privileged to have gotten a glimpse of something so wonderful!

Bruce St. Andrew
Moore's Forks, N.Y.

Grade crossing

Looking at James Harper's layout on page 70 in the November MR, I noticed something that is bothering me. His grade crossing is way too close to the tunnel for the locomotive to blow the grade crossing signal.

I have two grade crossings on my layout that are close but not that close. One is about 3½ feet from the grade crossing, or about 305 scale feet, and another is within about two feet of a crossing.

Lou Schultz
Covington, La.

[I don't know the situation on James Harper's layout, but I've seen a grade crossing even closer to a tunnel. At Hannibal, Mo., the Norfolk Southern crosses the Mississippi River from the east (Springfield, Ill.) on a low-level swing span bridge, and on the west bank immediately crosses the BNSF and a Missouri state highway before tunneling into a rocky bluff.

The railroad crossing is signaled with a remote interlocking (Central-

ized Traffic Control) and the highway crossing has flasher signals with bells and gates. I don't know if eastbounds blow their horns in the tunnel or not, but it's a more important grade crossing than the one on the Harper layout and it's right at the tunnel. – Andy Sperandio, executive editor.]

Rochelle Junction

I wish to complement Daryl Kruse for his article on his layout incorporating the Rochelle crossing. I visited Rochelle several years ago while I was en route to the Philadelphia meeting of the National Model Railroad Association, and I now plan to model Rochelle as a focal point for my new layout. I found Daryl's article useful, since it comes from a resident of Rochelle! Because I live in Australia, I can't easily run out and inspect United States railroad sites, but I try to include at least one site visit with each trip to the annual NMRA convention.

John Roberts
Coorparoo, Queensland, Australia

Cattle guards

Your article on cattle guards in the October MR perpetuates an old error; cattle guards don't keep cattle off the tracks. Their job is to keep the cattle inside the fence that the tracks pass through.

To keep cattle off the tracks, the guard would have to fill the entire trackbed for the entire distance the track passes through the field. There would also have to be places where cattle could pass from one side of the tracks to the other.

Neither of these situations is reasonable for the open West, where the guards were used.

Modern uses include vehicle and pedestrian gates in fences; even if the gate is left open, livestock stay on their own side of the fence.

Jeffery Pigden
London, Ontario, Canada

Comments, suggestions, and additional information on MR articles and departments are welcome in this column. Every comment will be read, but not all can be printed or answered. Make your statement in 300 words or less, and send it to Railway Post Office, *Model Railroader* magazine, P.O. Box 1612, Waukesha, WI 53187, or e-mail rpo@mrmmag.com. Please include your name, city, and state.

IHC Premier Gold Series

DCC Ready & RP-25 Wheels

For those still operating in analog DC, the locos will have factory installed dual mode printed circuit board for DCC and DC operation. These engines are ready to accept a DCC plug and play module.

IHC now offers the following features in our Premier Gold Series Pacifics, Mikados and selected Semi-Streamline Pacific Locomotives.

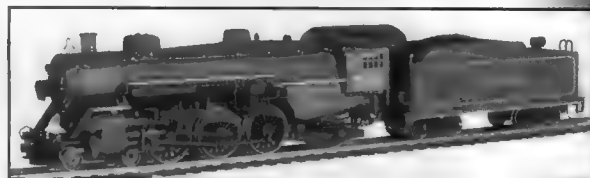
- RP-25 Contour Blackened Metal Wheels
- Blackened Metal Handrails, Coupler Lift Bars, Driving Rods and Valve Gears
- Operating Headlamp and Tender Lamp

**PREMIER
GOLD
SERIES**

25028 Union Pacific
25025 SP, Daylight
25021 Pennsylvania
25063 ACL, FDR Special
25005 Alton
25066 Rio Grande

**HO 4-6-2 Pacific
Only \$139.98 ea.**

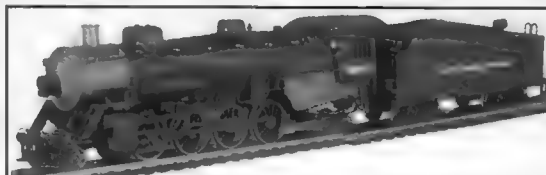
SEMI-STREAMLINE
26022 Reading, Crusader
26007 DL&W



**HO 2-8-2 Mikado
Only \$139.98 ea.**

27000 ATSF
27001 Southern
27003 Chesapeake & Ohio
27009 Canadian National
27016 New York Central

27025 Canadian Pacific
27005 Great Northern
27021 Baltimore & Ohio
27024 CB&Q
27050 Kansas City Southern



**COMMAND
XXV**

**IMMEDIATE
DELIVERY**

LIMITED QUANTITIES ON
SOME LOCOMOTIVES

**HO 2-10-2 Santa Fe
Only \$149.98 ea.**

23402 Baltimore & Ohio
23403 Erie
23404 Great Northern
23409 Pennsylvania
23411 Southern

23412 Union Pacific
23416 Southern Pacific
23417 Western Maryland
23425 Canadian Pacific
23435 Rio Grande



HO Passenger Cars in Heavyweight, Smoothside & Corrugated Side

IHC Passenger Cars are built-up scale length models that will operate on 18" radius track. The Heavyweight Series come with a package of easy-to-apply detail add-on parts. IHC's usual attention to correct color and lettering will allow you to be extra proud of your cars especially at these very low and most affordable prices.

See our Web Site for a complete selection of Passenger Cars plus Photos and other vital car data. Cars can be purchased individually or in eight car sets.

Only \$14.98 EACH

HO 8-Car Passenger Sets by IHC

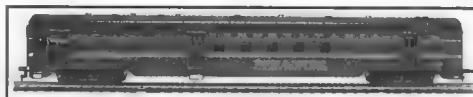
List price on eight car sets is \$119.84

Only \$112.98 EACH SET

SAVE \$6.86 ON SET OF 8



Heavyweight — #49697 Union Pacific, Sleeper 12-1



Smooth Side — #48215 Pennsylvania, RPO



Corrugated Side — #47776 AMTRAK Sleeper

HO Smooth Side & Corrugated Side Passenger Cars

Body Styles

Baggage
RPO
Combine
Coach
Sleeper
Vista Dome
Dining Car
Observation

HO Heavyweight Passenger Cars

Body Styles

Baggage
Coach
Combine
Diner
Observation
RPO
Sleeper 8-1-2
Sleeper 12-1

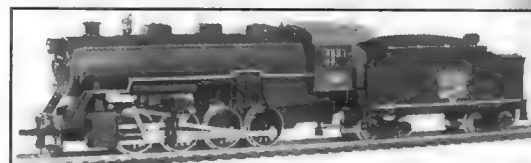
IHC PASSENGER CAR CATALOG FREE WITH ORDER

24 pages depicting all of our passenger cars and matching accessories

**HO
0-8-0
Switcher
Only
\$49.98 ea.**

23709 Erie
23710 Grand Trunk
23714 Lehigh & New England
23715 Lehigh Valley
23716 Long Island
23720 Missouri Pacific
23717 Louisville & Nashville
23725 Northern Pacific
23731 Southern
23732 Southern Pacific

EXTENDED BUNKER TENDER
23703 Belt Railway of Chicago
23705 Central Vermont
23706 Chesapeake & Ohio
23713 Lackawanna
23719 Missouri Kansas & Texas
23721 New Haven
23728 Rock Island

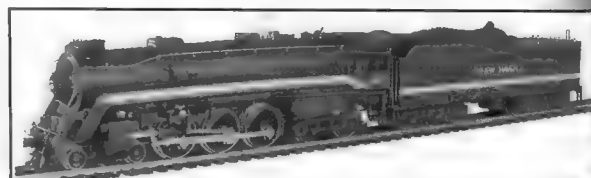


**HO 4-6-4 Hudson
Only \$84.98 ea.**

**PREMIER
SERIES**

23001 Baltimore & Ohio, #5047
23005 Chesapeake & Ohio, #301

23006 CB&Q, #3011 (Burlington)
23009 DL&W, #1151 (Lackawanna)
23010 Illinois Central, #2499
23011 Maine Central, #702
SEMI-STREAMLINED
23015 New Haven, #1400



International Hobby Corp.

DEPT. 1-2009 MRR • 413 E. ALLEGHENY AVE. • PHILA., PA 19134
(215) 426-2873 • FAX (215) 634-2122 • (800) 875-1600 (ORDERS ONLY)

Be Sure to Visit Our Website: www.ihc-hobby.com

For On-Line Ordering & On-Line Catalog

TRY YOUR FAVORITE HOBBY SHOP FIRST. Order direct from IHC. Order dept. open 9:00 a.m.-4:00 p.m. Eastern. We accept certified check or money order. MasterCard, Visa, American Express or Discover (supply card number, expiration date). Personal check, allow two weeks for clearance. Prompt full refund on out-of-stock items. Minimum Shipping charge is \$7.50. All Overseas orders are shipped by air. 15% Restocking Fee on Returns. Show Dept. # on order. Prices subject to change without notice.



Here's a five-platform TTX intermodal car in an eastbound Union Pacific stack train climbing Cajon Pass. Note how the different lengths of containers are stacked together with their supporting frames aligned. Jim Hediger photo

More information on intermodal containers

I'd like to expand upon the comments Jim Hediger made about stacking containers in *Model Railroader's* October 2008 Information Desk. Jim stated that "Intermodal containers are built with all of their strength in the end frames." This is only true for the original international standard 20- and 40-foot containers (I won't go into non-standard units). However, all other container sizes are still based on these two standards.

All standard containers longer than 40 feet have their strongest framing built on a 40-foot spacing, with any extra length added equally to both ends. Thus, a 45-foot container has equal 2½-foot exten-

sions on each end; a 48-footer has two 4-foot extensions, and so on up to 53 feet. This allows an almost endless number of stacking combinations as long as the main frames are properly aligned: a 40-footer on top of two 20s, or a long container on any of the other sizes. [Note that 20-foot containers can't be stacked on top of long containers, which don't include any center supports for this purpose. — Ed.]

United Parcel Service has a fleet of special 28-foot containers that extend eight feet beyond a standard 20-foot box on one end. Their stacking points, and thus the strongest frames, are at one end only, with the second frame being

nominally 20 feet away. Within weight limits, this allows a pair of properly oriented 28-foot boxes in the bottom of a 56-foot well with one or two 20- or 28-foot containers on top, as long as their supporting frames are aligned.

These rules apply only to standard containers and loads that don't exceed the capacity of the car, or the individual platforms on articulated cars. For example, two 20-foot containers loaded to their individual load limits will generally be close to the car's rated capacity. Stacking an additional container on top would exceed the load limit and create a dangerous situation. — Ralph Balfoort, Albany, N.Y.

The milk train article in the November 2008 *Model Railroader* says that the combine used as the last car normally operated with its baggage end toward the rear. Can you explain why?
David Cummings, Watertown, N.Y.

While I don't know of a specific rule that covers the way the combine faced, my feeling is it was done to provide easier access to the baggage compartment. Most milk stops took place at stations with an adjacent highway that the train needed to clear when it stopped.

Running the combine backwards would place its baggage door between the grade crossing and the depot where a truck could back in to drop off cans of raw milk. At the same time, the vestibule end would

be in the middle of the platform for any early morning passengers.
— Jim Hediger, senior editor

I've been seeing a lot of tank cars hauling molten sulfur and wonder what sort of industry would use large quantities of this chemical?
Billy Montgomery
Corsicana, Texas

The sulfur tank cars you're seeing could be going almost anywhere, since sulfur is a common element used in many chemical and industrial processes. Much of the liquid sulfur we see is a refinery byproduct that originates from the vast oil-producing region in southern Alberta, Canada.

Large quantities of sulfur go into the production of agricultural

chemicals, including slow-release fertilizers and a variety of compounds used as pesticides. Sulfur is a major component in vulcanized rubber products such as tires, and it's used in the manufacturing of cellophane and rayon.

Much of the sulfur is converted to sulfuric acid for petrochemical refinery systems, wastewater processing, and the chemical separation of various minerals.

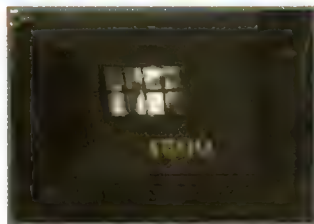
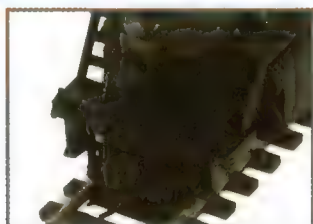
Sulfite chemicals, derived from sulfur, are used to bleach the wood pulp in papermaking. And many other sulfur compounds may be found in detergents, fungicides, dyes, and medicine.

Given its versatility, molten sulfur tank cars could be routed to many destinations during model railroad operating sessions. — J.D.H.

USRA MIKADO ROLLS OUT



ARRIVING THIS DECEMBER!



Pennsylvania - 2-8-2 USRA Light Mikado Steam Engine
80-3140-1 w/Proto-Sound 3.0 \$449.95

AVAILABLE IN: Baltimore & Ohio, Union Pacific, Pennsylvania, New York Central & Undecorated versions. Suggested Retail Price: \$449.95

FEATURES INCLUDE:

- **SYNCHRONIZED PUFFING SMOKE** Timed To Driver Revolutions
- **FULL DIGITAL SOUND** Including Quillable Whistle, Operating Bell, Squeaking Brakes and More!
- **DIE-CAST METAL** Construction
- **On-Board DCC RECEIVER**
- **Built In SPEED CONTROL** For Smooth Operation
- **AND MUCH, MUCH MORE!**



SEE IT IN
ACTION
ON THE WEB

WIN A FREE MIKADO!

www.mthHOtrains.com/steam

LEARN HOW M.T.H. HO locomotives beat anything available today by checking them out at your local M.T.H. Authorized Retailer or online.

MTH
ELECTRIC TRAINS
HO TRAINS THAT DO MORE

Tough Times Ahead, Hands On



While the recent financial news has left most of us uneasy, unwilling to part with our money and pondering our fate, our great hobby can offer us a much needed, inexpensive diversion from the uncertainty we all face.

Heretofore the hectic pace of modern living has left us squeezed for time. This is evidenced by a change in the way model railroad products are being offered. There are more ready to run kits and conversely less that require modeling. In short we are all using our hands and modeling skills less.

Since we will all be driving and spending less and have some more down time, now might be a good time to revisit our earlier experiences with model railroading. All types of inexpensive items that will require some hands on efforts and creativity are available. Contact one of our dealers if you need help making a selection.

None of us can deny that these basic creative aspects of modeling can be fun, satisfying and will help to take our mind off the perplexing issues of today.



*So what are you waiting for?
Get your hands dirty and build something!*

The DC/DCC Dealers' Association

An honest dedicated group of dealers you can count on ... folks like yourselves who like model railroading, and who have joined together to sponsor this ad to provide the best DC/DCC options for you. If you are a knowledgeable DC/DCC dealer, dedicated to customer service and support, who would like to join the DC/DCC Dealers' Association, please call 800-671-0641 or email: dealers@amhobby.com

CALIFORNIA

Original Whistle Stop, The

TheWhistleStop.com
2490 East Colorado Blvd.
Pasadena, CA 91107
626-796-7791 • fax 626-796-7566

VERMONT

Tony's Train Exchange

TonysTrains.com
57 River Rd, Suite 1023
Essex Junction, VT 05452
800-978-3472 • 802-878-5005

MASSACHUSETTS

Traintek, LLC

www.TraintekLLC.com
(Formerly Trackside Sales)
Waltham, MA 02451
1-888-339-TRAIN (8724)

NEW YORK

Willis Hobbies

www.willishobbies.com
300 Willis Ave.
Mineola, NY 11501
516-746-3944

CALIFORNIA

Allied Model Trains

www.alliedmodeltrains.com
4371 S. Sepulveda Blvd.
Culver City, CA 90230
310-313-9353

CALIFORNIA

Bruce's Train Shop

www.brucestrains.com
2752 Marconi Avenue
Sacramento, CA 95821
916-485-5288 • 877-276-8383

COLORADO

Caboos Hobbies

www.cabooseshobbies.com
500 South Broadway
Denver, CO 80209-4002
303-777-6766

S. CAROLINA

Charleston Digital Trains

www.charlestondigitaltrains.com
1352 White House Blvd.
Charleston, SC 29412
843-795-3082

U. KINGDOM

Digitrains (United Kingdom)

www.digitrains.co.uk
The Stables, Digby Manor
North St, Digby, Lincoln LN4 3LY
01526 328633

WISCONSIN

EngineHouse Services LLC.

www.enginehouseservices.com
2737 N. Packerland Dr., 2H
Green Bay, WI 54303
920-490-4839

ONTARIO

George's Trains Ltd.

www.georgestrains.com
1-905-470-6200 Markham Store
1-416-489-9783 Toronto Store
1-877-8TRAINS (887-2467) Toll Free

FLORIDA

Johns Hobbies

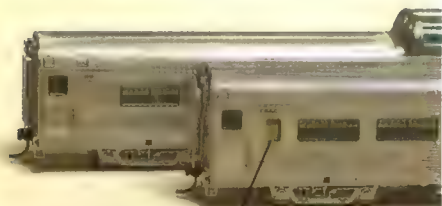
www.johnshobbies.com
1507 S.E. 150th St.
Summerfield, FL 34491
800-800-7203

PENNSYLV.

Lin's Junction

linsjunction.com
Lin's Junction, 128 S. Line Street
Lansdale, PA 19446
215-412-7711

Information Desk



Conductor's window

Compared to a normal dome coach, the small extra window next to the vestibule is the only exterior clue that this *California Zephyr* coach includes the conductor's office.

I recently ran across a reference to a "conductor's coach" that was used on some passenger trains. What exactly is a conductor's coach and how would you go about modeling it?

Wendell Ebbens, Sterling, Ill.

The "conductor's coach" refers to a regular passenger car fitted with a small office for the train's conductor. They operated on a number of western railroads to give the conductor a quiet place to take care of his daily reports.

Each conductor's office was only slightly larger than a telephone booth, fitted with a single seat and a small desk with a shelf, bulletin board, and work light. Some cars also had a curtain across the doorway that provided some measure of privacy.

The conductor's office was usually just inside the car's vestibule end where it replaced part of the luggage rack. Some conductor's offices also included a small window (see the photo) that wasn't on other coaches.

Conductor's coaches were relatively rare, so most conductors just set up shop in an open pair of coach seats near the vestibule they were using to load and unload passengers. On night trains, they'd often use an unoccupied sleeper space, or work on a table in the diner after the trip's evening meal service ended. — *J.D.H.*

Send your questions about prototype railroading to Information Desk, *Model Railroader* magazine, P.O. Box 1612, Waukesha, WI 53187, or e-mail proto@mrmag.com. We regret we can't answer all the questions we receive.

Providing outstanding user-friendly operation!



Set-100 and Set-90, Version 3.6:

- featuring rich menu selection with full 5 Amps of power
- unparalleled function control: F0-F28, latching non-latching on all 28 functions, the perfect solution for expanded sound decoders
- protecting your hobby investment with upgrades



Set-90 MSRP \$299.95
Rotary style throttle



Set-100 MSRP \$399.95
Push button style throttle



Current Lenz operators:
Contact us for
V3.6 upgrade information!

www.lenz.com for detailed information
978-250-1494 po box 143 Chelmsford, MA 01824

Set-90 or Set-100, a wise choice for years of DCC enjoyment

NEW HO SCALE Built & Ready STRUCTURES



MUNICIPAL BUILDING

- Ready to set on layout
- Hand-painted
- Great architectural detail

Purchase at your local hobby shop.



WOODLAND SCENICS® www.woodlandscenics.com



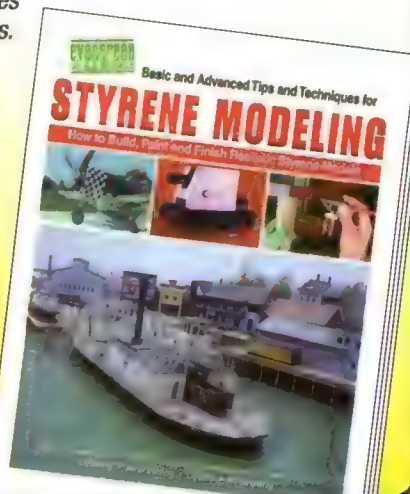
Great how-to ideas from
some of the top modelbuilders.

88 Pages of Time Saving Tips and Techniques
for Building All Types of Styrene Plastic Models.

- Scratchbuilding
- Decals - Tools
- Conversions
- Weathering
- Airbrushing
- Adhesives
- Detailing

\$14.95 PLUS \$3.00 S&H

EVERGREEN SCALE MODELS
18620-F 141st Avenue NE, Woodinville, WA 98072
Toll Free: 1-877-376-9099 • www.evergreenscalemodels.com



Micro-Mark® ANNIVERSARY SALE!

THE SMALL TOOL SPECIALISTS

A Micro-Mark Exclusive!

Bottomside Creeper Lets You Work Under Your Layout in Comfort



We designed our Bottomside Creeper to maximize your reach and comfort while working "down under." The softly-padded lever-action backrest with integral headrest inclines to three positions above horizontal, and smooth-rolling industrial-strength casters let you glide about easily. Overall size 26" x 44" x 12".

Shipped to 48 contiguous U.S. only. For other areas, contact Customer Service at 908-464-6764 for special arrangements.

#84263 List \$119.95 **SALE \$99.95**

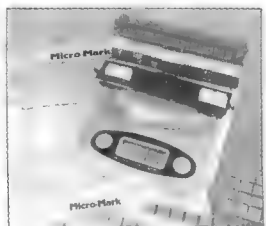
The Topside Creeper™ Safely Extends Your Reach...Reduces Back, Leg and Knee Stress



Adjusts from 48" to 72" high. Base is 31" wide x 56" long x 6-1/2" thick. Heavy-gauge powder-coated steel. Capacity: 400 lbs. Overall size only 24" x 31" x 56" when folded. Includes tool pouch, protective bumpers and locking casters. Some assembly required. Note: This item ships direct from the factory by UPS-over-size. 15% restocking fee on all returns.

#83876 List \$315.60 **SALE \$220.60**

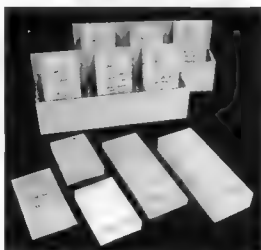
Car Weighting System Optimizes Model Railroad Performance



Optimizing car weight avoids derailments and maximizes train lengths. Easy-to-use system includes a high-precision digital scale for weighing cars, 48 self-stick 1/4 oz. lead weights, and a chart of optimum car weights based on NMRA specifications. Works with scales N through O.

#84016 Value \$42.90 **SALE \$29.25**

Use Our Car Routing System to Operate Your Layout Like a Real Railroad



Use your railroad models in a manner that truly reflects their realism and capabilities. Requires no special equipment to set up or maintain. Includes 100 each car cards, waybills, and bad order slips, 25 locomotive cards, 4 three-compartment bill boxes, plus basic instructions to get your operations started.

#82916 Value \$33.90 **SALE \$26.40**

...for Enhanced Operations

Pre-printed Train Order forms for realistic dispatching of model trains. Forms marked CFB

(Coated Front & Back) are printed on carbonless copy paper; index sheet included for use as a copy blocker. Train Order Try-It Pack Contains one pad each of CFB Clearance Form A, CFB Form 19, CFB Form 31 and plain paper Track Warrant. 50 sheets per pad.

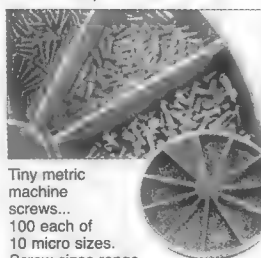
#84189 List \$10.95 **SALE \$9.95**

This DVD Explains it All

In this informative video, veteran modeler Paul Scoles thoroughly explains how to use Micro-Mark train orders, waybills, schedules and a fast clock to reproduce authentic railroad operations in miniature. DVD format, 60 minutes.

#84307 List \$24.95 **SALE \$22.95**

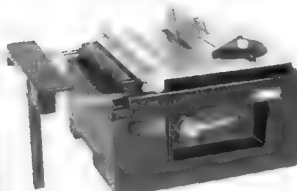
1,000 Micro Screws... 1,001 Uses



Tiny metric machine screws... 100 each of 10 micro sizes. Screw sizes range from 1mm to 5mm long, .5mm to 1.5mm in diameter. All have slotted heads. Segmented wheel with selector-slot keeps screws organized.

#83438 List \$19.50 **SALE \$16.95**

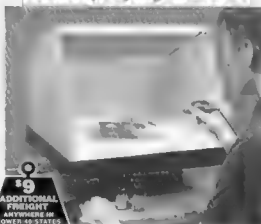
The World's Best Hobby Size Table Saw



The MicroLux® Tilt Arbor Table Saw is more powerful, more accurate, and smoother running than any other saw its size. And it's the world's first variable speed table saw, so it will cut metal and plastic, as well as wood. Includes a self-aligning rip fence, calibrated miter gauge, blade guard and an 80 tooth fine cut blade for balsa and basswood up to 1" thick, hardwood up to 1/4" thick (hardwood up to 1" with optional carbide blade).

#80463 List \$499.95 **SALE \$308.95**

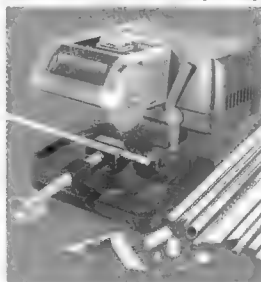
MicroLux® Spray Booth Eliminates Paint-Spraying Hazards



Downdraft-style Spray Booth is a powerful, brushless exhaust fan which draws paint overspray from inside the durable metal hood and passes it through a three-stage filter, then vents the cleaned air outside the work area through a 4" diameter exhaust port. The clear window which forms the top of the hood lets room light in. All metal construction. Includes filters. 15" deep x 20" long x 12" high. Overall height: 21". 110v AC. Hood requires a few minutes of assembly.

#82427 List \$449.95 **SALE \$239.95**

Powered Miter/Cut-Off Saw Cuts Almost Anything



And, the cuts are so smooth and accurate, you may never have to file or sand ends again! Has a built-in vise that adjusts for cuts from 45° to 90°. 2" dia. blade cuts material 3/8" thick x 3/4" wide x any length at 90° and 1/2" wide at 45°. 110v AC, 8,000 rpm motor is encased in a high impact plastic housing. Base and vise are cast aluminum. Includes 3 abrasive cut-off wheels for metal and one fine-cut high speed steel saw blade for wood and plastic. Overall size: 5" x 5" x 5".

#15218 List \$189.95 **SALE \$123.95**

The Best Tools for Handlaying Track Just Got Better!

A Micro-Mark Exclusive!



A. Spike Insertion Plier features perfect T-shaped grooves in the jaw faces for easy, accurate spiking. For all brands and gauges of spikes Z through O.

#82811 List \$17.85 **SALE \$15.30**

B. Spike Removal Plier has special die-formed jaws that grip spike heads securely and make removal easy.

#82840 List \$15.75 **SALE \$13.60**

C. Rail Cutting Plier cuts brass and nickel-silver rail clean and square. For rail up to code 100 (.100" high).

#80337 List \$15.49 **SALE \$13.65**

BEST BUY! Buy the two Spiking Pliers and the Track Cutter together, and you'll get a custom-tailored canvas Tool Pouch **FREE!**

#82882 Value \$55.94 **SALE \$43.20**

Model Railroad Spikes



Medium spikes (3/8" long) for code 100 and larger rail. Round shank with pointed tip. Package of 800.

#83448 List \$10.85 **SALE \$9.75**



Small spikes (1/4" long) for code 83 and smaller rail. Round shank with pointed tip. Package of 1000.

#83517 List \$9.40 **SALE \$8.45**

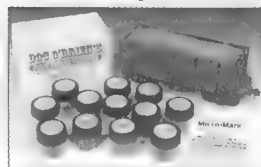
SAME STUFF...Liquid Plastic Welder Formulated for the Plastic Modeler

Exactly the same as ProWeld and Tenax-7R, except for the name!

Solvent-type cement welds styrene, acrylic, butyrate and ABS plastic. Set includes 4 oz. of SAME STUFF plus the Touch-N-Flow applicator, which lets you precisely apply liquid plastic cement, glue or C/A accelerator.

#84131 List \$16.68 **SALE \$12.60**

Doc O'Brien's Self Adhesive Weathering Powders



A Micro-Mark Exclusive!

Dust on Doc O'Brien's to simulate the effects of time and the elements... no overcoat required! They're also used as weathering washes when mixed with water. Kit contains enough powder to weather dozens of models. Instructions included. Twelve color set includes Dirty Brown, Mildew Green, Grimy Black, Gritty Yellow, Rusty Red, Faded Blue, Rusty Brown, Grungy Gray, Patina Green, Desert Sand, Highlight White and Muddy Red. Non-toxic.

#81632 List \$19.95 **SALE \$16.50**

The "Distresser" Adds a Realistic, Weatherbeaten Finish to Your Models



Distresser's steel bristles abrade the painted surface of wood models, creating the appearance of long-term exposure to the elements. Bristle length is adjustable just like the lead in a mechanical pencil...set it short for heavy weathering; long for light weathering.

#82466 List \$14.15 **SALE \$12.10**

Tweezer-Like Nipper Desprues the Tiniest Parts

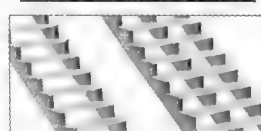


Fine tips reach into the tightest areas and flush cut the plastic so that further clean-up is not required.

#82393 List \$17.80 **SALE \$14.65**

Model Staircase Assembly Made Easy

A Micro-Mark Exclusive!



Assemble realistic staircases in just minutes with our pre-cut stringers. Makes both standard-width 2-stringer staircases or wide-width 3-stringer staircases. Detailed instructions included. Order tread material below.

#84059 HO Scale Staircase Stringers **SALE \$8.85**

List \$9.95 #83957 Tread material for above \$5.00

#83913 O Scale Staircase Stringers **SALE \$11.35**

List \$12.95 #80007 Tread material for above \$6.97

THESE PRICES GOOD BY PHONE ORDER ONLY! (Outside US & Canada call 1-800-464-2984)

1-800-225-1066

Mention code 3579 when ordering.

Model
Magazine
75
YEARS

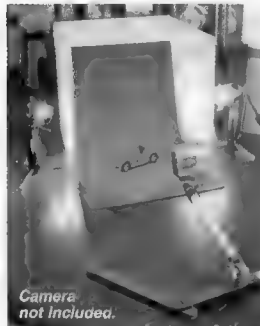
Garden
RAILWAYS
25
YEARS

BACHMANN
175
YEARS
Celebrating 175 Years of Quality

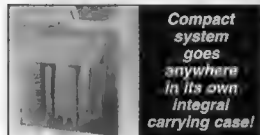
Micro-Mark
25
YEARS

**Congratulations
on these milestone
anniversaries!**

Take Pro-Quality Photos in Your Home or Shop



Camera
not included.



Compact
system
goes
anywhere
in its own
integral
carrying case!

Ideal for miniatures, collectibles, web auctions and insurance records! The Photo Studio in a Box is a lightweight, portable stage that is easy to set up on dining table, desk-top or workbench. Use it with your digital or film camera to produce well-lighted images with balanced color and remarkable definition.

Set includes a 16" x 16" x 16" diffuser "tent" to eliminate harsh shadows and glare; reversible blue/gray non-reflective, seamless polyester fabric to hide unwanted background items; 2 studio-quality, high-output tungsten photo lamps with retractable legs and cushioned feet; Camera stand with sturdy base and extendible neck; Integral 31" long x 15" high storage/carrying case.

#84248
List \$119.95

\$8995

Gatorfoam - The Multi-Purpose Building Material Preferred by Professional Modelers

GATORFOAM



Luxcell wood-fiber veneer bonded to polystyrene foam core. Interior or exterior use. Cuts easily. 12" x 18" x 3/16" thick panels.

#83263 Gatorfoam - brown veneer/white core
4 or more ... \$5.50 ea.
10 or more ... \$4.95 ea.
25 or more ... \$4.40 ea.

#83863 Gatorfoam - black veneer/black core
4 or more ... \$6.60 ea.
10 or more ... \$6.05 ea.
25 or more ... \$5.30 ea.

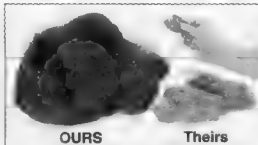
Cordless Mixer for Model Paints

Mixes paint in-the-bottle for consistent color every time. Just insert the spin disk and push the button. To clean, spin in a bottle of thinner. Even mixes old, settled paint. Handles bottle depth up to 3". Uses 2 AA batteries (not incl.).

#80975
List \$10.55

SALE \$865

Make Great Looking Tree- Scapes and Save Money!

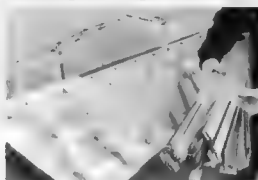


Tree-covered landscapes made with our Black Poly Fiber are more dramatic and more realistic than those made with green-colored fiber. Ounce-per-ounce, it saves you money over the cost of green fiber...you get over 3-3/4 times the amount of material (4 oz. by weight vs. 1.12 oz.) for the same price as the name brand.

#84152

\$595

Pre-Cut Scenery Strips Eliminate the Hassle of Collecting and Hand- Cutting Corrugated Board



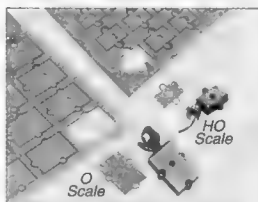
Our strips are pre-cut and easily shaped, yet hold their contour while adding plaster cloth. Wave-cut edges practically eliminate paper cuts. Each strip is 1" wide x 24" long. Package of 90 strips covers 72 square feet of terrain when used on 4-3/4" grid.

#83081
List \$9.95

SALE \$865

Laser Cut Coupler Shims are a Real Time Saver

A Micro-Mark Exclusive!



Coupler Shims are made of .025" thick insulation-grade compressed paper and are an exact fit for popular makes of HO and O scale coupler pockets. Easy to install and can be trimmed to fit tight locations.

#82562 HO Coupler Shims (25)

List \$5.95

SALE \$525

#82582 O Scale Coupler Shims (20)

List \$6.50

SALE \$575

Coupler Gauge Prevents False Uncoupling and Derailments



Machined aluminum gauge checks coupler and trip pin height. Works with all brands of standard size magnetic knuckle couplers.

#82824
List \$8.95

SALE \$740

Super Buys on Spectrum HO Scale Locomotives!

GE 45-Ton Switcher

NEW!

DCC-
Equipped



#84269 Painted/Unlettered,
our choice of color

List \$125.00

\$7095

4-6-0 Baldwin Ten Wheeler



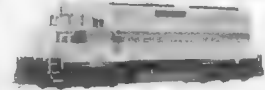
Sound- and DCC-Equipped

#84156 Painted/Unlettered, 52" Drivers
#84157 Painted/Unlettered, 63" Drivers

List \$345.00

\$17885

SD-45 DCC-Equipped



#40222 Erie Lackawanna

#40225 Santa Fe

#40223 PRR

#84193 Great Northern

#40224 Union Pacific

List \$120.00

**Save
68%!
\$3850**

Peter Witt Street Car



Flywheel & DCC-Equipped
Overhead wire & track pickup

#84002 Undecorated (Some
assembly required.)

List \$143.00

\$7835

#84151 Our choice of paint/roadname

\$7395

Super Buys on Spectrum On30 Locomotives!

4-4-0 American (Outside Frame)

NEW!

DCC-
Equipped



Includes multiple stacks, headlights,
pilots, wheels and other details.

#84273 Painted/Unlettered,
wood cab, black

#84274 Painted/Unlettered,
steel cab, black

List \$325.00

\$18460

NEW!

Rail Bus & Trailer



DCC-Equipped • Detailed Interior

#84275 Little River Logging Co.

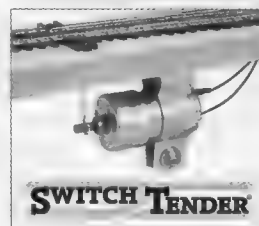
#84276 Painted/Unlettered,
olive green/black

#84277 Painted/Unlettered,
silver/black

List \$250.00

\$14195

Slow-Motion Switch Machine is Dependable, Quiet, and Easy to Install **A Micro-Mark Exclusive!**



Includes motor, mounting bracket,
linkage for before or after track
installation, hardware, wiring
diagrams and instructions.

#83201 Switch Tender ... \$14.45 ea.

SALE 10 or more ... \$12.65 ea.

25 or more ... \$11.35 ea.

#83257 Three-pole, double throw mini
toggle switch for above ... \$4.50 ea.

10 or more ... \$3.50 ea.

25 or more ... \$3.15 ea.

Add Sound Without Discarding Expensive Decoders



Digitrax Soundbug is a
full-effect sound-only module that
you connect to the NMRA-compatible
decoder in your DCC-equipped
locomotive. Works with any scale
or brand. 2-wire hookup is fast and
easy. Includes 1" diameter speaker,
extra wire for steam locomotive
synchronization contacts and detailed
instructions. 1 watt sound output.

#84017
List \$49.99

SALE \$4195

Universal Cab Holster

Fits Atlas, CVP,
Digitrax, Lenz,
NCE and MRC
Prodigy Advance/
Express DCC
cabs. Molded in
durable black
ABS plastic.
Attaches with 4
included screws.
(Cab not
included.)

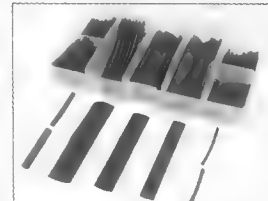
#84074
List \$11.95

SALE \$850

3 or more ... \$6.95 ea.

10 or more ... \$5.75 ea.

Protect Your Electrical Connections with Heat Shrink Tubing

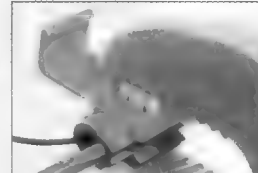


Makes wiring jobs neat and prevents
shorting. After making the connection,
slip tubing over the joint and use a
heat gun to shrink in place. 127-piece
assortment includes seven sizes
from 1/16" dia. x 1-1/2" long to 1/2"
dia. x 3-3/8" long. Trim to length with
scissors or wire cutter. Includes
compartmented storage box.

#83544
List \$6.50

SALE \$570

"Suitcase Connectors" Eliminate the Stripping and Soldering of Under-Layout Wiring



Top-quality 3M Scotchlok brand
Insulation Displacement Connectors
(IDC's) let you connect track feeder
wires to main bus (power supply)
wires without having to strip or solder.

#84022 Red Suitcase Connectors
for bus sizes #14-18 (max. insulation
OD .145") with feeder sizes #18-22
(max. insulation OD .110").
Package of 25.

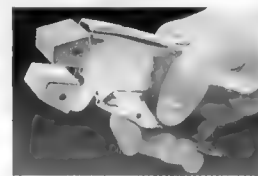
List \$7.95

SALE \$715

#84023 Brown Suitcase Connectors
for bus sizes #10-12 (max. insulation
OD .190") and feeder sizes #14-18
(max. insulation OD .145").
Package of 25.

List \$11.75

SALE \$1060

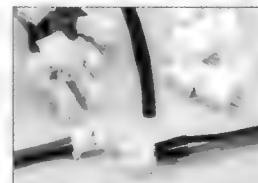


Scotchlok Crimping Tool eliminates
the hand-cramping fatigue caused by
using regular pliers on big wiring jobs.

#84039
List \$99.95

SALE \$6995

Mini Connector Kit for Model Electronics



Kit makes it easy to disconnect
motors, lights and other circuitry
located inside your models. 2-wire
miniature connector bodies are only
3/16" x 1/4" x 3/8" long when joined.
Each connector assembles in just a
few minutes. Includes 7" wire leads
and heat-shrink tubing to prevent
shorts. 4 amp capacity. Pkg. of 10.

#83050
Value \$19.95

SALE \$1095

Get our
BIG
catalog...
a \$4.00
value...
FREE
with
any
order!



Removable scrap loads



Railroads haul a lot of recycled metal. These scrap loads are always interesting due to their variety of textures and contrasting colors like this rusty load next to clean metal culled from a stamping plant. Dan Goins photo

Steelmakers use large quantities of recycled scrap metal that's shipped in from scrapyards all over North America. These loads are always interesting due to the wide variety of colors, textures, and odd shapes in the scrap. Here's how I made a batch of removable scrap loads for HO scale gondolas, and the same methods will also work for other scales as well.

The "steel" scrap in my loads is made from aluminum shavings that I bought years ago at a train show. If you can't locate a source of similar shavings, bits of scrap styrene or non-magnetic plastic pot scrubbers will also work. Avoid using steel wool because it sheds small shards of metal that are attracted to motor magnets.

I cut small blocks of plywood to use as the bases for each load and



printed them flat black. See the photo above. I installed a small U-shaped handle in the middle that's made from the cut off end of a paper clip. Then I used a thick layer of white glue to attach the scrap metal to the block.

To let the plywood bases drop freely into the gondolas, I cut them slightly undersized. This makes the

load easy to remove and the slight gap around the perimeter isn't noticeable thanks to the dark edges on the finished load. For variety, I removed a layer of the plywood from a few blocks to produce loads of varying heights.

Scrap loads come in many different hues ranging from colorful shredded vehicles to bright silver (recently processed metal) to dark rusty brown. I made most of my loads a dark rusty color to match what I've seen standing around a local steel company, but a couple of them are in brighter colors to represent loads from other sources like a stamping plant.

It only takes a couple of evenings to make a bunch of these loads. Using a wood base also provides some additional weight in a loaded car. — Dan Goins, Martinsville, Ind.

How do I drill holes for feeder wires through my roadbed and several layers of extruded foam scenery?
Terry Wyman, Dubuque, Iowa

The easiest way is to get an extra long drill bit. They're about 12" long and come in a variety of sizes from 1/8" to 1/2" in diameter.

These long-shank bits have normal length fluting near the



cutting end, so you'll need to pull the bit out of the hole several times to clear the chips as you drill. Using a bit about 1/16" larger than your

feeder wire will produce a nice smooth hole that the wire will slide through without difficulty. — Jim Hediger, senior editor

NEW MODELS TO EXPAND OPERATIONS

NEW

HO Cornerstone Series® Railroad Shop

December 2008 Delivery \$69.98

- Newest Rail Shops Series Kit

933-2970



Gold Line™ HO Trinity RD-4 Hopper 6-Pack

January 2009 Delivery \$109.98

- New Roadnumbers
- 932-7837 Series
- Alaska Railroad, BNSF, NCUX, TILX, UP/CMO

NEW
ROADNUMBERS



HO Paired Window Coaches

February 2009 Delivery \$49.98

- Five New Roadnames
- 932-10120 Series
- B&O*, Wabash, ACL*, SOO, L&N*

NEW
ROADNAMES

More product info online at <http://www.walters.com/newjan01>

For more product information and to reserve these New Products:



See Your Local Hobby Dealer

- Friendly Service
- Great Selection
- Visit walters.com to find shops in your area



Visit walters.com

- New Product Info 24/7
- Instant Access to our Warehouse
- Product Locator™ to Find Items
- News, Information & Photos Updated Daily



Check out Walther's Flyer™ Monthly Sale Catalog

- Yours FREE — Pick up the latest edition at your local hobby shop, sign up at walters.com or call us at 1-800-4TRAINS (1-800-487-2467) to sign up for free Catalogs

(Live outside the US? See the current on-line Flyer at walters.com now!)



See your 2009 Reference Books - Now Available!

- Your Best Resource for All Current Model Railroad Product Info
- 1000s of New Products in One Place
- All-New Magic of Model Railroading Photos

Your Number One Resource For Model Railroad Product Information

©2008 Wm. K. Walther's, Inc. Photos show preproduction models, some details may vary. *CSX proprietary marks used by permission of CSX Transportation, Inc. †Union Pacific licensed product.

ASSUME CONTROL

Dynamis® and Decoder-Equipped E-Z Track® by Bachmann

With E-Z Command® Dynamis® and decoder-equipped E-Z Track®, you assume absolute control of your railroad. Dynamis® puts operating freedom in the palm of your hand with an advanced two-way infrared DCC system. Along with comprehensive locomotive programming and control options, Dynamis® is also compatible with NMRA-compliant turnout decoders, such as those found on our decoder-equipped nickel silver E-Z Track® turnouts. Combine the two, and you're in command of your layout like never before, with operation and programming that are both simple and intuitive. Visit your favorite hobby retailer to learn how you can take total control of your railroad.

Dynamis® features:

- two-way wireless infrared operation
- turnout and accessory control
- constant digital information exchange between handset and locomotives
- 9,999 locomotive addresses and full CV programming
- control of up to 40 locomotives at any one time (up to 21 functions per locomotive)
- allows 40 consists of up to five locomotives each
- easy-to-use backlit LCD screen
- universally compatible track connection
- suitable for all layouts, from train sets to sophisticated railroads
- conforms to all applicable NMRA standards



Decoder-equipped E-Z Track® features:

- DCC On Board™ turnout decoder
- compatible with all NMRA-compliant DCC systems
- quick, easy installation and programming
- no special wiring or control boxes needed
- nickel silver rail and connectors
- DCC or manual operation*

*not designed for DC-powered layouts



DYNAMIS®



DCC Turnout – Left
Item No. 44130
\$51.00

DCC #5 Turnout – Right
Item No. 44133
\$64.00



DCC #6 Turnout – Right
Item No. 44136
\$67.00



DCC Turnout – Right
Item No. 44131
\$51.00



DCC #5 Wye Turnout
Item No. 44134
\$64.00



DCC #6 Single Crossover
Turnout – Left
Item No. 44137
\$85.00



DCC #5 Turnout – Left
Item No. 44132
\$64.00



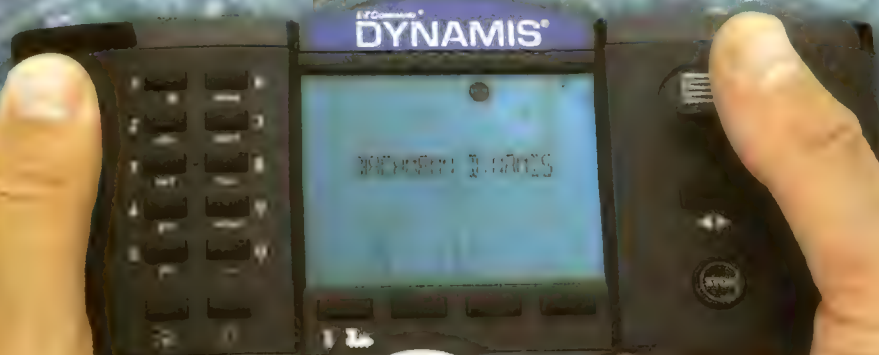
DCC #6 Turnout – Left
Item No. 44135
\$67.00



DCC #6 Single Crossover
Turnout – Right
Item No. 44138
\$85.00



E-Z Command®
Dynamis®
Item No. 36505
\$319.00



Workshop

I recently purchased the Faller HO scale Boy Scout camp because I have a son participating in Scouting. Do you have any recommendations for making the plastic tents look more realistic?

Dan Wolfer, Schertz, Texas

Both of my sons are Eagle Scouts, so we've seen a lot of Boy Scout campsites. The trick to painting the tents will be to give them a dead flat finish. The usual canvas tents are treated with a water repellent that's about as flat a finish as I've ever seen. You might even want to try dusting them with a little dark green powdered pastel.

Some of the newer tents are made out of colorful synthetic fabrics that are shiny. Even so, I'd simulate them with a semi-gloss finish, as you don't want to give the tents a shiny porcelain-like surface. An Internet search for "tents" should give you a lot of ideas for appropriate colors.

Most of the typical campsites are set up around a fire pit, with a couple of picnic tables and a group cooking area in the middle.

Don't forget that Walther's also sells campfire sets that have flickering fire effects. One of these could be handy for a night scene. — J.D.H.

Organizing decals. I've been trying to figure out a way to organize my decals from various manufacturers and finally hit upon the perfect system. I found the answer in my wife's scrapbooking supplies: it's a 12" x 12" "Drop-in style" organizer that stores paper, stickers, and other flat items in a three-ring binder.

These binders are sold in craft stores. Mine uses 12" x 12" clear plastic inserts that come in various combinations of storage pockets. On top of that, the binder has a zipper that fully encloses it, so I don't have to worry about spills. — Blair Barker, Goose Creek, S.C.

Workshop will pay \$25 for published tips. Send your modeling and layout-building questions and ideas to Workshop, *Model Railroader* magazine, P.O. Box 1612, Waukesha, WI 53187, or e-mail workshop@mrmmag.com. We regret we can't answer all the questions we receive. There is no payment for questions; tips are paid for upon publication.



Connecticut Convention Center
www.NationalTrainShow.org
 July 10 - 12, 2009 • Hartford

Be among the successful model RR retailers, manufacturers and dealers worldwide participating in this major industry event.

For exhibit and registry information contact: natltrainshow@aol.com

Don't Miss Your Chance to Exhibit!



American Beauty

Introducing the SuperChief250

Professional Resistance Soldering System designed specifically for the modeling enthusiast

"System enabled me to make joints adjacent to each other that would have been impossible with a soldering iron or gun."

— Frank Hermanek, IN

"I never have to worry about melting any ties as the heat remains isolated to the area that I am soldering."

— Bob Peterson, WI

Visit WWW.AMERICANBEAUTYTOOLS.COM/MODELER or call 800-550-2510



January 24 & 25, 2009
Eastern States Exposition
 1305 Memorial Avenue
 West Springfield, MA 01089

**Better Living Center
 Young Building
 Stroh Building
 Mallary Complex**

Our Railroad Hobby Show Features:

- more than 35 operating layouts.
- G, O, S, HO, N & Z Scale.
- manufacturers, displays, model dealers, booksellers, railroadiana, clinics
- historical societies and railroad industry representatives.

Saturday 9 am - 5 pm
 Sunday 10 am - 5 pm
 Daily Admission \$10.00
 Children 15 and under FREE
 when accompanied by an adult.
 Tickets on Sale 1 hour before show opens



Visit us at: www.AmherstRail.org

You could win one of

Enter the *Model Railroader* magazine sweepstakes by

GRAND PRIZE

One awarded

Lifetime subscription to
Model Railroader magazine
and \$1,000 Hobby Shop
Buying Spree

**Model
Railroader**
MAGAZINE

Retail value: \$2,073.75

Whether it's railroading information you want, or model supplies you need, this prize has you covered. You'll be able to start making that dream layout a reality!



FIRST PRIZE

One awarded

Woodland Scenics
Ultimate Layout
Package



Retail value: \$1,109.89

Build the layout of your dreams one module at a time. Package includes straight and corner kits, and a city and industry building set.



SECOND PRIZE

One awarded

Digitrax Super Chief
8 amp Radio
Starter Set



Retail value: \$659.99

Get your model railroad started with all the latest features available in command control today.



these fantastic prizes

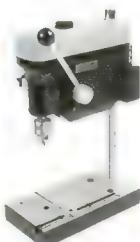
April 1, 2009 and one of 17 prizes could be yours!

ENTER TODAY!

Fill out and mail the attached card or
save a stamp and enter online at
www.ModelRailroader.com/sweeps



Complete your layout of
the early twentieth century
with Donaldsons Dept.
Store and Merchants Bank
& Trust Co. building kits.



Get \$100 towards
the purchase
of Micro-Mark
products!



Get advice from
the experts 12
times a year!

**THIRD
PRIZE**

One awarded

**Custom Model
Railroads HO
Scale Kits**



Retail value: \$325.00

**FOURTH
PRIZE**

Three awarded

**\$100 Micro-Mark
Gift Certificate** Micro-Mark

Retail value: \$100.00

**FIFTH
PRIZE**

Ten awarded

**One-year subscription
to Model Railroader
magazine**

Retail value: \$42.95

Model Railroader 2009 Sweepstakes – Official Rules

1. No Purchase Necessary. Official entry forms are bound in the December 2008, January 2009, and February 2009 issues of *Model Railroader*. The *Model Railroader* 2009 Sweepstakes is open to residents of the United States and Canada (except Quebec) only, 18 years of age or older. Employees (and their dependents and immediate household members) of Kalmbach Publishing Co., their advertising and promotional agencies and sponsoring companies are not eligible to participate.

2. Sweepstakes Entry. To enter, complete and mail the official entry form or a postcard with name, address, city, state or province, and zip or postal code to: *Model Railroader* 2009 Sweepstakes, P.O. Box 1199, Waukesha, WI 53187-1199. Or enter online by filling in the Online Entry Form and hitting the SUBMIT ENTRY key. The Online Entry Form must be filled out completely to be eligible. Incomplete or defaced entry forms are void. One entry per household. The *Model Railroader* 2009 Sweepstakes begins on October 24, 2008 and the official ending date for the *Model Railroader* 2009 Sweepstakes will be at 11:59 pm Central Standard Time on April 1, 2009. All entries must be transmitted or postmarked no later than that date.

3. Prizes and Odds of Winning. One drawing will be held on or around May 31, 2009 for the following awards: One (1) Grand Prize consisting of a \$1,000.00 Gift Certificate redeemable at the hobby shop of the winner's choice (selected retailer must be listed in at least one yellow pages directory under "Hobby & Model Supplies – Retail") and a lifetime subscription to *Model Railroader* magazine (Estimated value \$1,073.75 based on \$42.95 per year for 25 years) (Total retail value is \$2,073.75). One (1) First Prize consisting of products from Woodland Scenics: (3) Mod-u-Rail Straight Kits (Retail value is \$135.99 each), (3) Straight Stands (Retail value is \$103.99 each), (2) Mod-u-Rail Corner Kits (Retail value is \$44.99 each), (2) Corner Stands (Retail value is \$34.99 each), and (1) City and Industry Building Set (Retail value is \$229.99). Total retail value is \$1,109.89. One (1) Second Prize consisting of a Digitrax Super Chief 8 amp Radio Starter Set. Total retail value is \$659.99. One (1) Third Prize consisting of products from Custom Model Railroads: (1) Donaldsons Department Store in HO scale (Retail value is \$152.00) and (1) Merchants Bank & Trust Co. in HO scale (Retail value is \$173.00). Total retail value is \$325.00. Three (3) Fourth Prizes each consisting of a \$100 gift certificate from Micro-Mark. Ten (10) Fifth Prizes each consisting of a one-year subscription to *Model Railroader* (Retail value is \$42.95 each). Cash equivalents of merchandise will not be awarded. Substituting prizes is not allowed. Any applicable federal, state, and/or local taxes are the responsibility of the winner. Odds of winning depend on the number of entries received. Total circulation for *Model Railroader* is 155,106. Sweepstakes void in Quebec and void where prohibited.

4. Validation and Acceptance. Winners in the *Model Railroader* 2009 Sweepstakes will be selected in a random drawing. Canadian prize awards subject to skill test requirement. By entering the sweepstakes, participants agree to be bound by these official rules and all decisions of Kalmbach Publishing Co. Sweepstakes entries void if not legible, not completed in full, not obtained legitimately, or if forged, photocopied, mechanically reproduced, late or tampered with. The potential winners may have to sign and return an Affidavit of Eligibility, publicity release and Release of Liability within fourteen (14) days of notification. In the event of non-compliance, alternate winners will be randomly drawn. No responsibility is assumed for lost, stolen, misdirected or late entries or notifications. All sweepstakes entries become the property of Kalmbach Publishing Co. and will not be returned.

5. Winners' List. For a list of winners, send a stamped, self-addressed envelope to: *Model Railroader* 2009 Sweepstakes Winners' List, P.O. Box 1612, Waukesha, WI 53187-1612. Residents of FL, VT, and WA may omit stamp. Requests must be received by July 31, 2009. Or check the *Model Railroader* web site (www.ModelRailroader.com) after August 31, 2009.

6. Kalmbach Publishing Co. shall not be liable for any injury, loss, damage, cost or expense arising, directly or indirectly, in connection with sweepstakes and the prize awarded.

7. Sponsored by Kalmbach Publishing Co., P.O. Box 1612, Waukesha, WI 53187-1612.



www.firsthobby.com

First Hobby, 2495 E. Federal Drive, Decatur, IL 62526
Phone: 866-240-0252 (toll-free) or 217-872-1733
Email: sales@firsthobby.com, Fax: 217-872-1737



Broadway Limited HO

BlueLine Series

(with sound, without decoder)

- **AC6000CW** \$134.99
- **SD9** \$134.99
- **PRR 4-8-2** \$189.99
- **C30-7** \$134.99
- **SD7** \$134.99
- **RSD15** \$134.99
- **PRR 2-10-4 J1** \$209.99
- **N&W 2-6-6-4** \$279.99
- **C&O 2-10-4 T1** \$209.99
- **SD40-2** \$134.99
- **PRR 4-4-4-4 T1** \$249.99
- **2-8-2 Heavy Mikado** \$174.99
- **2-8-2 Light Mikado** \$174.99
- **ATSF 4-8-4** \$189.99
- **SP 4-8-8-2 AC-4/5** \$279.99
- **NYC 4-8-4** \$209.99
- **E7 AB Set** \$209.99
- **E7A** \$134.99

Brass-Hybrid Series

(with sound & decoder)

- **NYC 4-8-2** \$399.99
- **UP 2-10-2** \$399.99
- **SD40-2** \$214.99
- (without sound & decoder \$114.99)
- **C30-7** \$214.99
- (without sound & decoder \$114.99)
- **California Zephyr**
- Passenger Cars** \$57.99-\$61.99
- **NYC 4-6-4** \$284.99
- (without sound & decoder \$199.99)

Proto HO

- **Heritage 2-8-8-2** \$349.99 w/Decoder & Sound \$429.99
- CRR, DRGW, N&W, NP, VGN
- **Proto 1000 GP15-1** \$91.69
- UP, NS, CSX, CR, BNSF, BN, C&NW
- **Proto 2000 F7AB** \$239.99
- With Decoder & Sound \$309.99
- ATSF, C&O, CB&Q, GN, MILW, NYC, SOO, SP, B&O, UP, PRR, C&NW, RI, CN
- **Proto 2000 F3AB** \$239.99
- New!** With Decoder & Sound \$339.99
- ATSF, B&O, D&RGW, NYC, SP, UP

Walthers HO

- **Woodchip Gondola** \$16.69
- **PRR Wood Caboose** \$37.49
- **Coal Hopper 6-Pack** \$83.99
- **Difco Dump Car** \$23.39
- **5-Unit Spine Car** \$65.79
- **FlexiVan Flat w/Trailers** \$37.49
- **Bi-Level Auto Carriers** \$24.99
- **Coalporter 6-Pack** \$83.99
- **Hiawatha Cars** \$37.49-\$41.69
- **130' Turntable** \$259.99
- **Transfer Table** \$263.99

InterMountain HO

- **F7A** \$81.99 - **F7B** \$77.99
- **F3A** \$81.99 - **F3B** \$77.99
- **FP7A** \$103.99
- (FP7A with sound & decoder \$159.99)
- **SP 4-8-8-2 AC12** \$254.99
- (AC12 with sound & decoder \$334.99)
- **U18B** \$103.99 (w/DCC \$159.99)
- **FP9** \$104.99 (w/DCC \$159.99)

Precision Craft HO

- **Pennsylvania 2-10-0 I1sa** with sound & decoder \$334.99 without sound & decoder \$259.99
- **B&O 4-6-2 President** with sound & decoder \$299.99 without sound & decoder \$219.99
- **SP 4-8-8-2 AC-12** with sound & decoder \$569.99 without sound & decoder \$499.99
- **Sharknose AB Set** with sound & decoder \$329.99-\$339.99 without sound & decoder \$239.99-\$249.99
- **GN 4-8-4 S-2** with sound & decoder \$334.99 without sound & decoder \$259.99
- **SP 4-8-4 GS4** with sound & decoder \$379.99 without sound & decoder \$329.99
- **SW1500** with sound & decoder \$172.49 without sound & decoder \$89.99

Atlas HO

- **SD35/SDP35** \$97.49 (With Decoder & Sound \$217.49)
- CR, L&N, WM, SP, N&W, EMD, ACL, SCL
- **H600/660** \$109.99
- EJ&E, Erie, NH, MEC, MILW, SP
- **C420** \$109.99
- (With Decoder & Sound \$169.99)
- D&H, LV, N&W, LIRR, V&M, NYSW, LAL
- **GP38-2** \$67.49
- CN, CSS, SLSF, LIRR, UP, CSX, CP, NS
- **RS11** \$93.99
- DLWR, L&N, N&W, SAL
- **RS32/36** \$64.99
- D&H, PC, A&M, A&D, C&NW, NYC, SP
- **RS1** \$104.99
- ATSF, GM&O, LS&I, CWI, LEF, LAL
- **U30B** \$134.99
- (With Decoder & Sound \$209.99)
- C&O, CB&Q, CSX, NERR, WP, N&W
- **H15/16-44** \$124.99
- ACY, KCS, CNJ, NE, B&O, EL, MILW
- **GP40-2** \$109.99
- (With Decoder & Sound \$174.99)
- CSX, DT&I, FEC, RDG, RF&P, DRGW

- New!** • **11000-Gal Tank Car** \$22.49
- **33000-Gal Tank Car** \$20.99
- **Evans 53' Box Car** \$18.99
- **Cupola Caboose** \$10.99
- **5701 Covered Hopper** \$22.49
- **Pulpwood Flat Car** \$19.49

Stewart HO

- **VO1000** \$112.49-\$126.99 w/Decoder & Sound \$187.49-\$199.99
- LV, PE, SP, GN, USS, WP, P&BR
- **C628** \$129.99
- w/Decoder & Sound \$249.99
- D&H, LV, PC, SP

Hornby/Rivarossi HO

- **C&O 2-6-6-6 Allegheny** \$399.99 (with sound & decoder)

Rapido Trains HO

- **TurboTrain** \$399.99
- **Passenger Cars** \$49.99-\$54.99

Bachmann HO

- **Spectrum 3-Truck Shay with Sound & DCC** \$299.99

Athearn Genesis HO

- **SD60** \$114.99 (with sound & decoder \$189.99)
- BNSF, NS, CSX, CR, UP
- **F2/F3/F7/F9**
- AB Sets \$164.99
- Separate A's \$84.99
- **F Units With Sound & Decoder**
- AB Sets \$254.99
- Separate A's \$134.99
- **Modernized F Units**
- A Unit With Sound/DCC \$161.99
- (A Unit Without Sound/DCC \$107.99)
- AB Set With Sound/DCC \$309.99
- (AB Set Without Sound/DCC \$209.99)
- **F45 & FP45** \$114.99 (with sound & decoder \$184.99)
- BN, MRL, NYSW, ATSF, MILW
- **SP 4-8-2 MT-4** \$224.99 (with sound & decoder \$289.99)
- **MP15AC** \$109.99 (with sound & decoder \$184.99)
- EMD, CSX, FNM, SOO, MKT, CP, WSOR, SP, UP

Athearn Ready-To-Roll HO

- **AC4400** \$72.99
- BNSF, CP, KCS
- **C44-9W** \$72.99
- CN, CSX, SP, UP
- **CF7** \$67.49
- ATSF, CCKY, CAGY, FCEN, MDDE, PVRR
- **GP35** \$67.49
- PWV, ARZC, HRRC, MNA, OHCR, TSBY
- **RS3** \$67.49
- B&M, L&N, MKT, NYC, Peabody
- **SD40-2** \$74.99
- MRL, MILW, MP, NdeM, NS
- **SD40T-2** \$72.99
- DRGW, KCS, SP, SSW
- **SD45** \$72.99
- EL, ATSF, GN, SOU
- **SW1000** \$67.49
- BNSF, BN, CB&Q, DRGW
- **SW1500** \$67.49
- SOU, CSX, MP, RI, WP

MTH HO

All units with decoder & sound!

- **SD70ACe** \$234.99
- CSX, KCS, BNSF, EMD, UP, UP Heritage
- New!** • **SD70M-2** \$234.99
- NS, EMD, FEC, CN
- **NYC 4-8-2 Mohawk** \$419.99

DCC

Digitrax

- **Zephyr Starter Set** \$159.99
- **Super Empire Builder Set** \$264.99
- **Super Empire Builder w/Radio** \$409.99
- **Super Chief Set (8 amp)** \$349.99
- **Super Chief w/Radio (8 amp)** \$479.99

MRC

- **Prodigy Advance Squared** \$249.99
- **Prodigy Advance Wireless** \$399.99
- **Prodigy Express** \$135.79

NCE

- **Powerhouse Pro 5-Amp Set** \$414.99
- **Powerhouse Pro w/Radio** \$545.99
- **Power Cab Starter System** \$149.99

Lenz

- **Set-100 System** \$279.99

Athearn N

- **4-8-8-4 UP Big Boy** With Sound & Decoder \$299.99
- **4-6-6-4 Challenger** With Sound & Decoder \$289.99
- Union Pacific, Rio Grande, Clinchfield
- **2-8-0** \$89.99
- ATSF, B&O, DRGW, PRR, SOU, V&T

New! **F45 & FP45** \$74.99

(with sound & decoder \$144.99)

BN, ATSF, MILW, MRL, NYS&W

Precision Craft N

- **PRR 4-8-2 M1a/M1b** with sound & decoder \$259.99 without sound & decoder \$179.99
- **PA/PB Set** ATSF, PRR with sound & decoder \$214.99 without sound & decoder \$174.99
- **PA/PB/PA Set** DRGW, SP with sound & decoder \$379.99 without sound & decoder \$214.99
- **E8A** UP, IC, L&N, NYC, SOU with sound & decoder \$202.49 without sound & decoder \$114.99

Con-Cor N

- **2-10-2** \$254.99
- **4-6-4** \$139.99-\$154.99
- **AeroTrain** \$339.99
- GM, PRR, NYC, UP, ATSF

Centralia Car Shops N

- **Passenger Cars** \$33.29
- IC, ATSF, CNW, NYC, PRR, C&O, DRGW

Proto N

- **GP18** \$71.99
- **RS2** \$79.99
- **0-8-0** \$139.99

Bachmann N

- **Union Pacific DD40AX** \$81.99

Walthers N

- **Passenger Cars** \$28.99
- GN, ATSF, CNW, AMT, SP, NP, PRR, DRGW, C&O, RI, UP, NYC, SOU

InterMountain N

- **SD45-2** \$96.99
- **SD40T-2, SD45T-2** \$95.99
- New!** • **SP AC-12** \$263.99
- **FP7A** \$95.99

Atlas N

- **Dash 8-40C** \$79.99 (With Decoder \$107.99)
- C&NW, CR, CSX, NS, UP
- **MP15DC** \$84.99
- CP, C&NW, CSX, GATX, NS, SOU, TCT
- **U23B** \$79.99
- (With Decoder \$104.99)
- Chessie, MEC, PC, SBD, UP, WP, RBMN
- **GP15-1** \$54.99
- CR, CSX, MP, UP
- **GP38-2** \$79.99
- (With Decoder \$99.99)
- CN, CSX, D&H, SLSF, GT, GM&O, L&N
- **GP7/9** \$72.99
- (With Decoder \$98.49)
- MRL, GN, PC, RI, NYC, DRGW, SP, UP
- **Dash 8-40CW** \$102.49
- New!** (With Decoder \$131.99)
- CR, CSX, ATSF, UP
- **11000-Gallon Tank Car** \$14.99

Prices and specifications are subject to change without notice. See our website (www.firsthobby.com) for the latest information



Joe Grubba, Owner
Factory Direct Trains

QUESTIONS? Chat live with Joe. He'll answer your questions as you shop on the website! Live chat is just one more way FDT serves you better than any place else.

We've got what you want. In Stock Now.



N&W Class A 2-6-6-4, HO
with 30000 lbs. of steel
\$399.99
FDT Low Price Only \$299.99



BROADWAY LIMITED'S 2009 PRODUCT GUIDE IS OUT. PREORDER ANY PRODUCT WITH US WITH NO MONEY DOWN!

www.factorydirecttrains.com

2004 Riverside Drive, Unit V, Asheville, NC 28804 | Toll Free: 1-800-990-3381 | FAX: 828-350-7709 | email: ask@factorydirecttrains.com



Two Great DVD's

The BEST Model Railroad Movie of all time!

MODEL RAILROADING UNLIMITED

WARD KIMBALL

Great Gifts

Kids LOVE it!

#5000 \$19.99 20 mins

Buy them TODAY!

Chooch Dealer!

Also available online:
www.ChoochEnterprises.com
Google key word: CHOOCH

Chooch is proud to release its first "How To" DVD! Featuring cars, locos and buildings! Mike O'Connell shares his terrific painting techniques. Learn about color and how to weather your models in 3 easy steps. So much information, you'll have to see it more than once.

WINNER OF 7 INTERNATIONAL FILM AWARDS!

DVD VIDEO

THE MAGIC WORKBENCH VOLUME 1

PAINTING MODELS IN 3 EASY STEPS

#5010 \$24.99 90 mins

Step by Step



This ballasted-deck concrete trestle and lift bridge span Milwaukee Harbor on the Milwaukee, Racine & Troy. Cody Grivno shares tips for scratchbuilding the modern trestle from wood. Photos by Bill Zuback and the author

Model a harbor scene: part 1

When visitors walk into the room that houses our HO scale Milwaukee, Racine & Troy, one of the first things they see is Milwaukee Harbor. Though we have a back-drop for the scene, which Rick Johnson described in the September 2005 *Model Railroader*, the lack of water, sea walls, and other features makes this area look incomplete. In the next two installments of Step by Step, I'll show you how I brought this harbor scene to life.

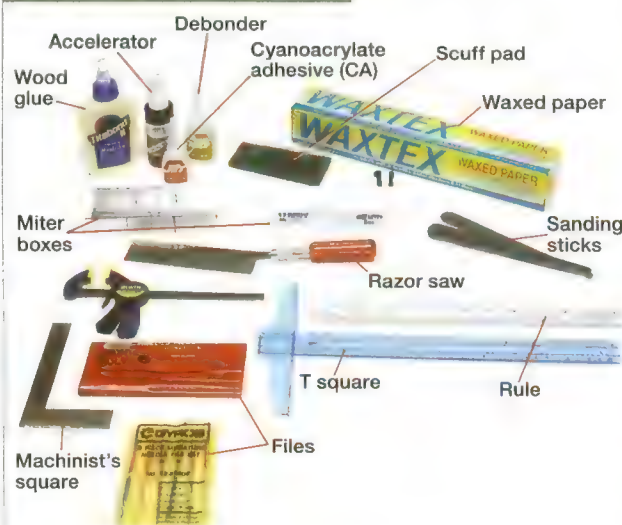
This month, I'll focus on the ballasted-deck concrete trestle and lift bridge that span Milwaukee Harbor. The lift bridge is now offered by Faller, but the concrete trestle is scratchbuilt from wood. Though the trestle was built by former managing editor Jim Kelly and installed long before I joined the MR staff, I'll show you techniques for building a similar structure. If you're not into scratchbuilding, concrete bridge kits are offered

by BLMA and Scale Segmental Bridge Co., among others.

For more on modeling bridges, read *The Model Railroader's Guide to Bridges, Trestles & Tunnels* by Jeff Wilson (Kalmbach Publishing Co., 2005). The book contains modeling tips, prototype photos, and a list of commercially available bridge kits.

Next month, we'll finish up Milwaukee Harbor by installing the sea walls and breakwater rocks and pouring the water. **MR**

Step 1 The right supplies



Scratchbuilding from wood is easy if you have the right supplies. The image at left shows a sampling of the items needed to model the concrete trestle. Miter boxes and a razor saw are handy for cutting wood at angles. Miter boxes have guides for 45- and 90-degree cuts. Also, the one Midwest Products produces has guides for 22½-, 30-, and 60-degree cuts.

Both wood glue and cyanoacrylate adhesive (CA) work well for bonding wood. If you use the latter, keep some debonder handy if you need to separate parts (or your fingers.) When gluing parts with CA, work on a sheet of waxed paper. The adhesive doesn't stick to waxed paper, so if excess CA seeps out of a joint, it won't bond the parts to your work surface. You can make the CA dry almost instantly with CA accelerator.

Other handy items including sanding sticks and files, a rule, machinist's squares, and clamps. Keep a scuff pad handy to remove any fuzz from the wood before spraying it with primer. For more on painting and priming the bridge components, see **step 6**.

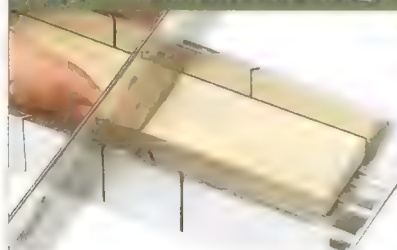
Step 2 Lift bridge



The lift bridge in our Milwaukee Harbor scene was assembled and painted by executive editor Andy Sperandio from a kit formerly offered by IHC (now available from Faller.) The bridge was later drybrushed with Polly Scale L&N Gray and Rust to make it look like it has been in use for a while.

In order for the lift bridge to match the height of the ballasted-deck concrete trestle, three piers were made to fit. Each pier is a $3\frac{1}{4}$ " length of $\frac{1}{2}$ " x $\frac{3}{4}$ " stripwood. The end of the bridge next to the shore is supported by a bridge abutment, which is covered in the next step.

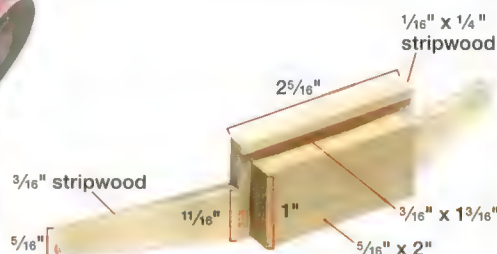
Step 3 Abutments and wings



To ensure the parts of the abutment will be at right angles and have clean cuts, use a miter box and a fine-tooth razor saw. Assemble the components with medium-viscosity CA or wood glue. Use a clamp to hold the three-piece assembly together while the glue dries.

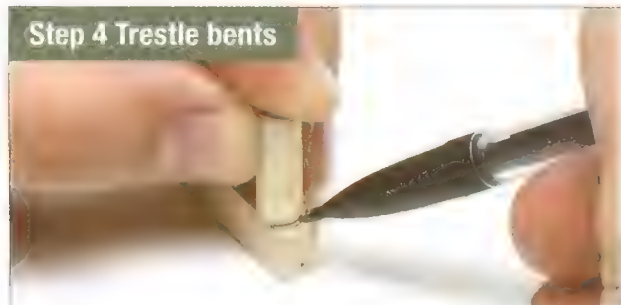


Depending on the terrain at a given location, the wings on prototype abutments can face backwards at an angle of 30 degrees or greater. Once you've marked the angle for the wings, use sanding sticks to shape the stripwood. Start with a coarse stick and then use medium and fine sticks to do the final shaping.

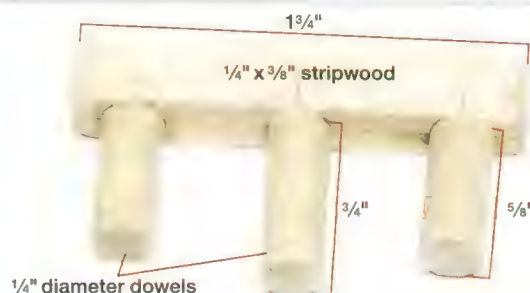


Here is one of the finished abutments with the wing walls attached. The wings in our harbor scene angle downward, but to be prototypically correct, they should be flat and at the same height as the sheet piling. On full-size railroads, the wings angle down if the roadbed behind them does.

Step 4 Trestle bents



Each trestle bent has a cap which transfers the load to the piles below. The caps on our bridge are $1\frac{3}{4}$ " lengths of $\frac{1}{4}$ " x $\frac{3}{8}$ " stripwood. A piece of $\frac{1}{4}$ "-diameter dowel serves as a handy guide to trace the end profile of the cap. Use sanding sticks to shape the wood.



After the caps are shaped, attach the three piles ($\frac{1}{4}$ "-diameter dowel cut to length) with CA or wood glue. Since the middle piles were glued into a hole drilled in the layout, it was cut longer. The outer piles were glued directly to the layout table.

Step by Step

Step 5 Bridge deck and curbs



The **bridge deck** is $\frac{3}{8}$ " x 2" mullion, which is available at most hardware stores and home centers. At less than one dollar per foot, you can build a sizeable concrete trestle fairly economically. However, the mullion is 2" wide, so you'll need a large miter box to cut it.



Prototype ballasted-deck bridges have curbs to contain the ballast. To re-create the slight lip between the curb and bridge deck, attach a piece of .020" styrene to a machinist's square with double-sided tape. Then press the bridge deck (mullion) against the styrene and attach $\frac{1}{8}$ " x $\frac{1}{8}$ " stripwood with CA.

Step 6 Priming and painting

Once you have all of the bridge decks, abutments, wing walls, and bents assembled, mask any surfaces that will be glued (e.g. tops of the caps on the trestle bents). Then spray the parts with Rust-Oleum Gray Automobile Primer. This will ensure that the final color will cover evenly. Let the primer dry for 24 hours before spraying the final color. Polly Scale Concrete or Aged Concrete are two colors that work well.



Step 7 Track and ballast

The **track can be installed** using track nails or latex caulk. The former were used on the concrete trestle, as shown in the photo at right. Drill pilot holes in the ties so you can press (not pound) the nails into the wood.

If your bridge is on a curve and you use latex caulk, you don't need to add nails as the ballast (once glued down) will further hold the track in place.

With the track in place, mask the bridge and spray the rails and ties with Polly Scale Railroad Tie Brown. When the paint is still wet, wipe the rail heads with a cotton swab soaked in Windex. Any stubborn paint can be removed with lacquer thinner or an abrasive track cleaning block.

Once the paint dried for 24 hours, you can ballast the track. We used a 50:50 blend of Highball Products Light Gray and Dark Gray limestone ballast on our modern concrete trestle.

Spread the ballast between the rails with a $\frac{1}{2}$ "-paintbrush, making sure there are no granules on the tops of the ties or web of the rail. Then spray the ballast with 70 percent isopropyl alcohol and let it soak in for about 30 seconds. Finally, use a pipette to apply Woodland Scenics Scenic Cement. You know you've applied enough when you can see the Scenic Cement between the granules. Let the Scenic Cement dry, and then spread the ballast between the rails and curbs.



Timberline Scenery

'First in Quality Since 1991'

*Realistic Trees, Ground Cover and MUCH More!!!
Call Us Toll Free @ 800-326-0321
Or Visit www.timberlinescenery.com*



Special delivery

Celebrating 75 years
of *Model Railroader*

“With some pride and a great deal of trepidation we present the first issue of *The Model Railroader*.”

With those 18 words, a young Albert Carpenter Kalmbach introduced our January 1934 issue to 272 subscribers.

Volume 1, No. 1 was only 12 pages long and cost all of 10 cents. A year's subscription was \$1. The Milwaukee-based magazine was created with a second-hand printing press and lots of enthusiasm, as expressed by its first slogan “Model Railroading is Fun.”

Al's concept of *The Model Railroader* was formulated long before 1934. At age 12 he started a school newspaper with his friends. By age 13 he was editing and printing a neighborhood newspaper called the *Milwaukee Sun*, which grew to a circulation of 1,500. In high school he was spending his study hall hours contemplating a magazine about model railroading.

After graduation from Marquette University, Al entered the printing business full time. While hustling for print jobs such as church bulletins, he also was compiling a list of potential *Model Railroader* subscribers. Years later Al said that he figured there were only about 1,000 known model railroaders in the country in the early 1930s.

That first issue in 1934 include the magazine's first layout photo feature, E.H. Nervo's outdoor O gauge layout; its first prototype locomotive drawing, a Pennsylvania RR T-5 electric; and its first scale track plan, Harry Albrecht's Pennsylvania RR layout.

By July 1934 the magazine's circulation had topped 1,000. The first modeling contest was announced in 1938. *The Model Railroader* became simply *Model Railroader* in October 1945. Circulation grew to 45,000 by 1949.

The magazine's first project railroad series, “Building the Pine Tree Central,” was published in 1952. L-girder benchwork made its debut in 1963. The list of mileposts large and small goes on and on to the present day.

So much has changed in 75 years, yet the mission of *Model Railroader* magazine – to help its readers become better model railroaders – remains the same. E.H. Nervo's 1934 outdoor layout has lead to Allen McClelland's Virginian & Ohio RR on page 58 in this issue, the 1934 Pennsy T-5 electric drawings have given way to Harold Russell's coaling tower drawings on page 52, Harry Albrecht's 1934 track plan set

the stage for John Armstrong's Pennsy plan on page 72, and the 1952 Pine Tree Central project layout laid the groundwork for the staff-built Milwaukee Road “Beer Line” sectional layout on this month's cover.

So, with equal pride and far less trepidation than in 1934, we present to you the 901st issue of *Model Railroader* magazine, celebrating our 75th anniversary. – Neil Besougloff, editor

More on our Web site

See several videos on the history of *Model Railroader* magazine, Kalmbach Publishing Co., and the hobby of model railroading at www.ModelRailroader.com



Published Monthly by A. C. Kalmbach and Co., 545 S. 84th St., Milwaukee, Wis. Subscription, \$1.00 per year or \$2.50 for three years, single copies 10 cents. Contributions are solicited, but cannot be paid for. Their publication will be solely at the discretion of the board of editors.



1. Milwaukee Road's Beer Line is the theme for *Model Railroader's* 75th anniversary project layout. Here we see a Fairbanks-Morse H-10-44 switcher leading a string of boxcars past Schlitz on the HO scale layout.

Build the Beer Line

PART ONE

Track plan, layout configurations, and benchwork for our new HO scale project layout

By Cody Grivno • Photos by the author, Jim Forbes, and Bill Zuback



When searching for a locale for our 75th anniversary project layout, we turned to our old neighborhood in downtown Milwaukee, Wis. The “Brew City” not only has a strong connection with model railroading (Kalmbach Publishing Co., Wm. K. Walthers Inc., and the National Model Railroad Association), it has a rich railroad history as well. The Milwaukee Electric Ry. & Light Co., Chicago & North Western, and Milwaukee Road were all here. Though all of these railroads featured interesting operations, it was a Milwaukee Road indus-

trial branch that proved the best fit for our 4 x 12-foot HO scale layout. Welcome to the Beer Line, circa 1947.

One layout, many looks

The Beer Line was in a gritty, industrial part of Milwaukee. In the 1940s, when coal was used prominently by industries (and to heat houses), everything had a sooty appearance. Overgrown weeds and assorted junk could be found in empty lots.

Though we’ve built several project layouts over the years, this one is special for several reasons. First, it fea-

tures an innovative design. Managing editor David Popp designed the layout in four sections that can be rearranged into different shapes, as explained on page 48.

Second, it’s one of the most detailed model railroads we’ve built in a long

► Build the Beer Line series

Coming next month: Roadbed, track, wiring, and Bachmann Dynamis Digital Command Control.

Milwaukee Road Beer Line

HO scale (1:87.1)

Layout size: 4 x 12 feet

Scale of plan: 3/4" = 1'-0", 12" grid

Numbered arrows indicate photo locations

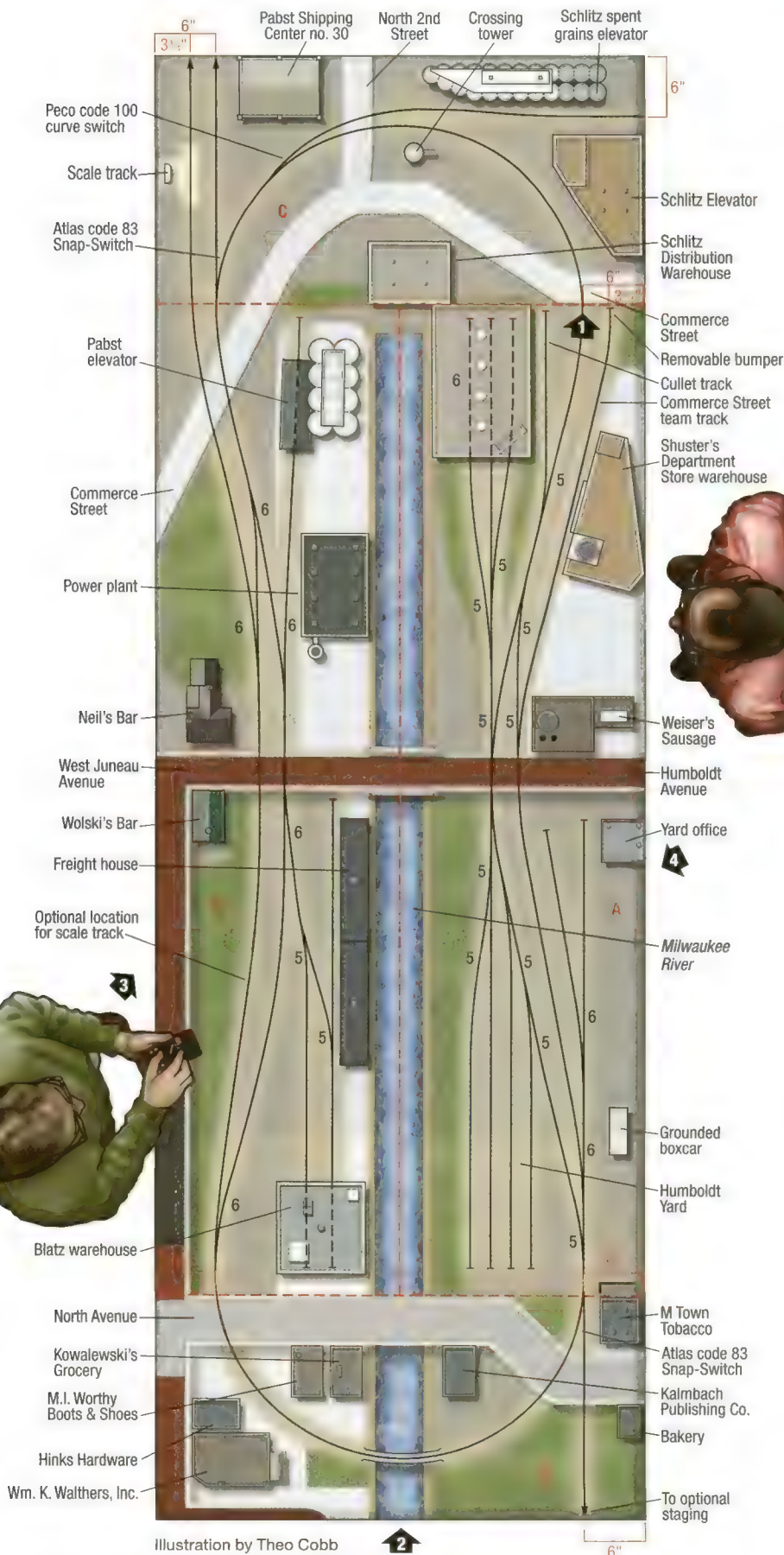


Illustration by Theo Cobb

The layout at a glance

Name: Milwaukee Road's Beer Line

Scale: HO (1:87.1)

Size: 4 x 12 feet

Prototype: Milwaukee Road's Chestnut Street Line

Locale: Milwaukee, Wis.

Era: 1947

Style: sectional

Mainline run: 24 feet

Minimum radius: 18"

Minimum turnout: no. 4

Maximum grade: none

Benchwork: sectional tables

Height: 44"

Roadbed: cork

Track: Atlas code 83 flextrack and Peco American-prototype turnouts

Scenery: extruded-foam insulation board and Sculptamold

Control: Bachmann Dynamics Digital Command Control (DCC)

time. Several of the structures were kitbashed or scratchbuilt to match prototypes. Though some selective compression was necessary, especially with the brewery buildings, we were still able to capture the look of the Beer Line.

We used some modeler's license, too. For example, the first Kalmbach Publishing Co. office was actually located on 84th Street in West Allis, a Milwaukee suburb. The Wm. K. Walther's building, which we'll see in part four of this series, was on Water Street in Milwaukee. The power plant and Milwaukee Road freight house, which were next to each other in reality, are on opposite sides of the street here.

A completed layout (finally!)

As Neil Besougloff noted in his editorial in the June 2008 issue of *Model Railroader*, it took us a bit longer than the two weeks we'd first planned to finish the Beer Line. As you can see, the layout is now finished (finally!)

Over the next five months, we'll show you how we built the Milwaukee Road Beer Line. Even if you don't build the layout like we did, many of the techniques we'll show you can easily be adapted for use on your own model railroad. So follow along as we show you how to build the Beer Line from the benchwork up. **MR**

More on our Web site

This month David Popp will show you how to connect the four sections of the Beer Line. To watch the video, visit www.ModelRailroader.com.



2. Managing editor David Popp (left) and associate editor Cody Grivno stand next to the Milwaukee Road Beer Line in its oval configuration. The layout can also be arranged in F and J shapes, as explained on the next page.



3. A Fairbanks-Morse switcher and ribbed-side boxcars help establish the Milwaukee Road prototype.



4. The Walther's H-10-44 model is a perfect fit for our Beer Line layout. The engine is switching cars at Humboldt Yard.

LAYOUT CONFIGURATIONS



Once the benchwork sections were completed, senior editor Jim Hediger helped David test them in each of the configurations. Here is the J setup.



For those that have a long wall to work with, the layout can also be set up in its F configuration. All setups can have an optional staging yard added at this end.



As part of his test of the design concept, David made this scale 3D paper model. All three possible configurations (oval, J, and F) are shown here.

When I set out to design our HO scale Beer Line, I wanted something a little more versatile than a standard 4 x 8 table layout. Several years earlier, while standing in the hallway at the *Model Railroader* offices, Terry Thompson, Jim Hediger, and I had kicked around a concept for a sectional layout that could be rearranged, based on available space. Since the Milwaukee Road's Chestnut Street Line (the Beer Line) was essentially a branch that wound its way through the north side of the city of Milwaukee, I figured it would be a good candidate for that type of layout.

After collecting a large amount of data on the Chestnut Street Line, I essentially designed the railroad in an afternoon. The layout is made up of two 2 x 4-foot and two 2 x 8-foot sections. As shown in the photos at left, those four sections can be combined in three different ways, which we have come to call oval, J, and F configurations. All three can have an optional staging yard added to represent the connection to the rest of the Milwaukee Road system. Explanation of the benchwork's construction begins on page 50.

Though the entire run of the Beer Line would make an excellent large urban model railroad, there was just no way to fit everything I wanted into our project layout's various footprints. As such, I concentrated my efforts on the southern end of the branch, which included very "railroad" spots, such as Humboldt Yard, the Schuster Department Store warehouse, the Pabst Elevator, and the famous Schlitz Brewery complex. Because the Schlitz plant was the subject of many railroad photographers (see the Wallace Abby shot at right for an example), I made it the focal point of the layout.

Much of the Chestnut Street Line followed the west bank of the Milwaukee River. As such, the river was also an important part of the design. When set up in its oval configuration, as shown in the track plan on page 46, the river runs through the center of the layout. However, both sides of the river are still the west bank – the river and railroad simply wraps around itself. In the J and F configurations the river is split in half, offering a more realistic presentation.

While the layout runs well in any of its configurations, I prefer the J the most. After making up a train in Humboldt Yard, it's great fun to wind your way through the streets of Milwaukee and switch the industries. – David Popp



The Schlitz Brewery complex was a landmark on the Beer Line. Fairbanks-Morse switchers, such as the one shown here weighing cars in the Commerce Street Yard, were typical power for the branch. Wallace W. Abbey photo

The Milwaukee Road had dozens of branch lines throughout its system, but one of the busiest and best-known was the Chestnut Street Line north of downtown in the railroad's namesake city. "Wait a minute," you might be asking. "I thought this was about the Beer Line?" Don't worry, it is. To the railroad, the branch was known as the Chestnut Street Line. However, it was better known as the Beer Line, and for good reason.

Three of the nation's biggest breweries were on or near the Milwaukee Road's six-mile branch. The Joseph Schlitz Brewing Co., at one time the world's largest brewer, was the biggest industry on the Beer Line. Pabst Brewing Co. (its elevator is partially visible at right) and Blatz were also Milwaukee Road customers.

There was more to the Beer Line than just brew, though. Other rail-served industries included American

Motors Corp. (body plant and warehouse), Kraft Foods and Nabisco (warehouses), and assorted foundries, oil suppliers, lumber yards, and box companies.

The decline of the brewing industry and the Milwaukee Road during the 1980s was a one-two punch that marked the beginning of the end for the Beer Line. Approximately half of the Beer Line was torn up; the Schlitz buildings shown in the photo above were razed in 1986.

Regional carrier Wisconsin & Southern began operating the remnants of the Beer Line in 1992, and purchased it in 1999. Following the abandonment of 2.4 miles of track in late 2007, all that remains of the line is a stub for two customers near WSOR's North Milwaukee Yard.

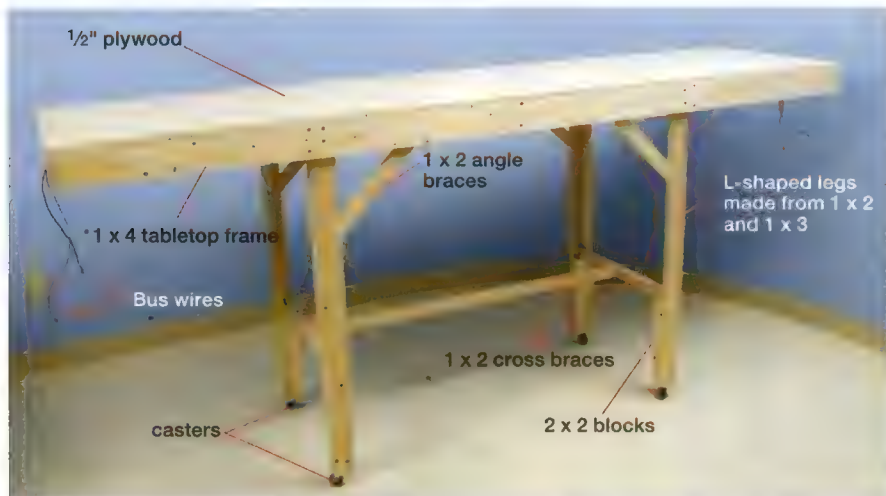
The Beer Line is one of 12 railroads featured in *Classic Railroads You Can Model* (Kalmbach Publishing Co.,

2002). The section on the Beer Line includes two track plans and a chart with the types of cars used by breweries from the pre-prohibition era through the 1970s. To order this book, contact Kalmbach Publishing Co.'s Customer Sales & Service department toll free at 1-800-533-6644 or via e-mail at customerservice@kalmbach.com.

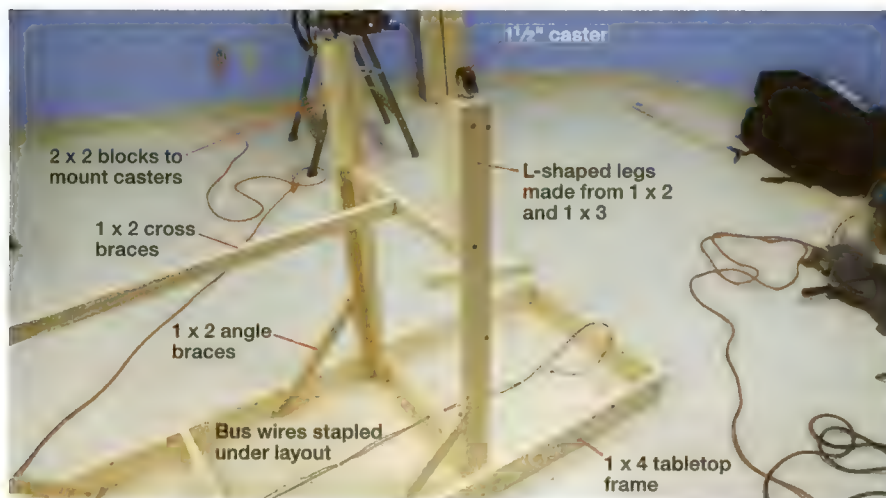
For even more information on the branch line that made Milwaukee famous, read *The Milwaukee Road's Beer Line* by Art Harnack (The Milwaukee Road Historical Association, 2003). This 40-page book contains historical information, maps, and dozens of color and black-and-white photos. The publication is a must-have if you plan on modeling the Beer Line. We consulted it frequently.

The Milwaukee Road's Beer Line can be purchased online at The Milwaukee Road Historical Association's Web site, www.mrha.com. — C.G.

BENCHWORK



This is one of the two 2 x 8 foot sections of the Beer Line. Each section is supported by its own set of legs and has casters to make moving it around the shop easy. The 2 x 4 foot sections were made the same way.



This view shows most of the benchwork construction, including the table frame, legs, and bracing. All joints are fastened with glue and screws.



David first built all the tabletops and legs in assembly line fashion. He and Neil Besougloff then quickly assembled the four sections.

The benchwork for the Beer Line is made of four independent 2-foot-wide tables. Each is mounted on its own set of legs and has 1 1/2" casters, making it easy to move around the workshop. As shown on the track plan on page 46, the layout is made from two 2 x 8 foot tables and two 2 x 4 foot tables. The sections use 3/8" dowel pins to align the tables, and the entire layout, in any of its three configurations, is held together by clamps.

The table frames and legs for the layout are constructed from dimensional lumber. All joints are glued and fastened with 1/4" drywall screws. Assembly is simple, involving basic carpentry techniques, and yields a very stable layout surface.

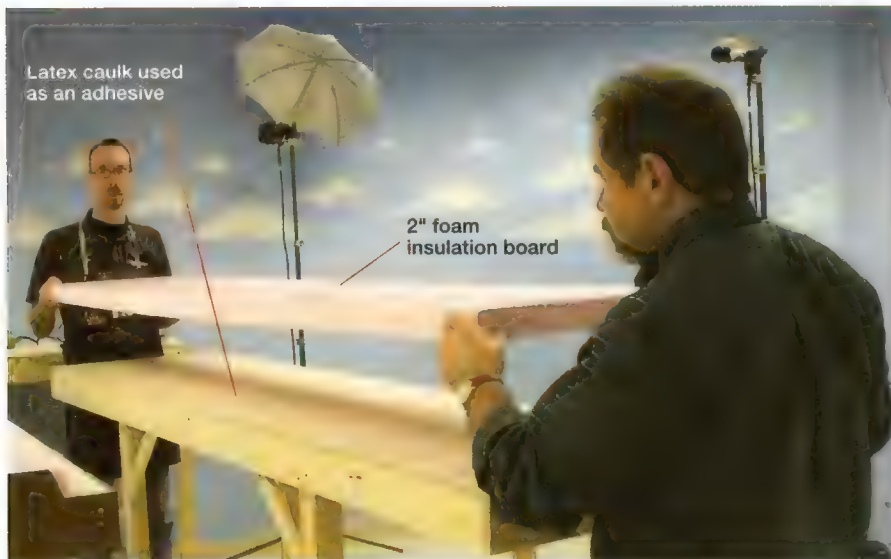
The minimum hand tools you'll need for the project include a hammer, square, tape measure, caulk gun, and a pencil. For power tools, you'll need a drill (with screwdriver attachment and basic drill bits), and one or more saws. I used a chop saw, circular saw, and a reciprocating jigsaw, but you could do the entire project with just the jigsaw if you're careful.

When choosing lumber for layout benchwork, take your time and be picky. It's worth the effort. Lumber that is warped or cupped (or both) will never get better. More than most other project layouts we've built, this layout required a high level of precision to fit together properly, and we needed good-quality lumber to make it work. Neil and I spent more than an hour in the lumber aisle at The Home Depot when we bought the lumber for the project, and we double checked all the boards we'd selected, just to be sure they were straight.

Frames and legs. The table frames are made from 1 x 4 pine, with cross braces set on 24" centers. I covered the frames with 1/2" plywood, fastening it with yellow carpenter's glue and 1" ringed paneling nails. (The rings keep the nails from slipping out over time.)

The legs are standard L-shapes, made from a 1 x 2 glued on edge to a 1 x 3 and held in place with three 1 5/8" drywall screws. The base of each leg has a 12" block of 2 x 2 glued inside the L. Ordinarily I'd mount adjustable feet in the end of the block so I could level the layout. This time, however, I mounted 1 1/2" casters to the bottom of the legs instead. (Next time I'd use a larger caster, as the 1 1/2" wheels don't roll well on uneven surfaces.)

BENCHWORK (CONT'D)



Once the tabletops were built, David and Neil surfaced them with 2" foam insulation board, cemented to the top with latex caulk used as an adhesive. To save time, they cut out the river sections before gluing the foam in place.

Once the tabletops and legs were built, Neil and I assembled the sections. We glued and screwed all joints, this time using 1 $\frac{1}{4}$ " drywall screws, so the tips wouldn't poke through the back of the wood.

Foam and fascia. The next step in the benchwork process was to add the foam layer that would form the scenery base for the layout. We used 2" foam insulation board, cementing it to the layout with ordinary latex caulk. To keep the foam secured until the caulk set, Neil and I clamped it in place for 12 hours. Since we were going to have to cut out the river from the foam sooner or later, I opted for sooner, making the cuts before cementing the foam to the layout.

After the foam was in place, we applied a $\frac{1}{8}$ " tempered hardboard fascia to the sections on all sides. The finished layout can be assembled in three different ways, so some sides of the sections are not always hidden. Therefore, we surrounded all sides with fascia. To ensure that the sections would fit together properly, the fascia needed to be flush, so we countersunk all the $\frac{3}{4}$ " screws we used to mount it.

The last step on the benchwork project was to install the alignment pegs. As shown in the bottom right photo, they are made from $\frac{3}{8}$ " dowel pins and mounted at uniform positions so that any layout section could plug into any other (though only the tracks on the main loop will line up). — D.P.



After the foam sections were glued to the tabletop, Neil used clamps to hold them firm until the adhesive set.



After the foam was in place, Neil and David added fascia panels made from $\frac{1}{8}$ " tempered hardboard. The fascia is attached to the frame with glue and screws.



David used $\frac{3}{8}$ " dowel pins as guides for connecting the sections. The pin locations are standardized so any section can connect to any other.

Fairbanks, Morse & Co. built this coaling station for the New York, Ontario & Western in 1916. It could deliver coal to locomotives spotted side by side. O&W Historical Society Archives



Fairbanks, Morse & Co. 400-ton coaling tower

An unusual structure that delivered both anthracite and bituminous coal

By Harold Russell • Model photos by the author

This massive timber-framed coaling tower was built in 1916 for the New York, Ontario & Western RR at Cadosia, N.Y. Because of its location inside a curve and against a hillside, it has an unusual inside receiving track and capability to deliver anthracite or bituminous coal to steam locomotives spotted side by side. The tippie was also used to store mine-run coal for commercial sale.

Historic background

The NYO&W's main line extended from Weehawken, N.J., to Oswego, N.Y. It had many branch lines, but the most important was the Scranton Division that joined the main line at Cadosia. A steady flow of coal originated from the region around Scranton, Pa., and it moved through Cadosia heading northward to the Great Lakes port of Oswego or southward to New York City.

By 1900, Cadosia (originally named Hancock Junction) had become a vital link in the NYO&W's operations. Coal traffic continued to grow to the point that the Scranton Division was double tracked by 1912. The NYO&W carried about four percent of the coal mined in Pennsylvania, but this traffic amounted to half of the line's revenue.

Cadosia had a modest 16-track yard at the north end and a larger 28-track yard at the south end. Typical steam engine servicing was provided, but major repairs were done elsewhere. The railroad also had a freight house, a passenger depot, and a YMCA nearby.

The south end of the Cadosia yard included a large coal stockpile and retrieval system that allowed the railroad to sell coal at a higher price when demand was high during the winter.

The coaling station

I was fortunate to have the original Fairbanks, Morse & Co. (as the firm was then known) specifications as references for the drawings on the following pages. From these I learned that it had an overall storage capacity of 400 tons in three large bins. Bituminous and anthracite coal were handed in these large bins, which were further divided into upper and lower bins. The upper bin served the outer track, while the lower supplied the inner track.

The largest bin was at the west end with a capacity of 250 tons of coal for locomotives. Being the largest, this bin had four coal chutes. The middle and east bins were similarly constructed, but had only two chutes each. The middle bin held 75 tons of buckwheat size ($\frac{5}{16}$ " to $\frac{9}{16}$ " diameter) and the east bin held 75 tons of ROM (run-of-mine) coal.

The HO scale model

Rich Cobb of Clyde, N.Y., scratchbuilt this excellent HO model of the Cadosia coaling station for Joe Bux. Rich used milled basswood shapes and commercial parts wherever possible. He also scratchbuilt the unusual delivery chutes that give this model its distinctive appearance. These photos are included to clarify some of the details that don't appear in the prototype photo. — *H.R.*



Two locomotive servicing tracks ran side-by-side along the south side of the tower to refuel locomotives with either anthracite or bituminous coal.



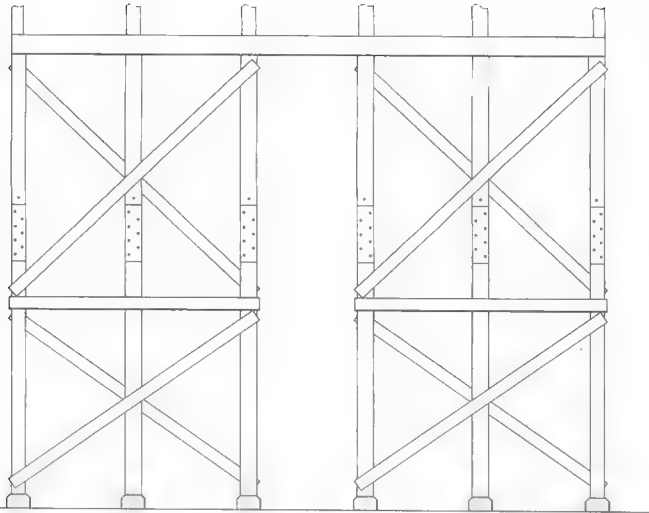
A long, steep stairway on the north side provided access to the elevator and conveyor system and the diverters that routed the coal to the proper bins.

The tippie's timber superstructure was assembled with $\frac{3}{4}$ " bolts and preserved with coal tar paint. Cadosia's coaling station was built against a hillside. Its receiving track was located within the structure and two parallel coaling tracks were alongside. A distinctive rack supported the chutes that served the outside locomotive coaling tracks.

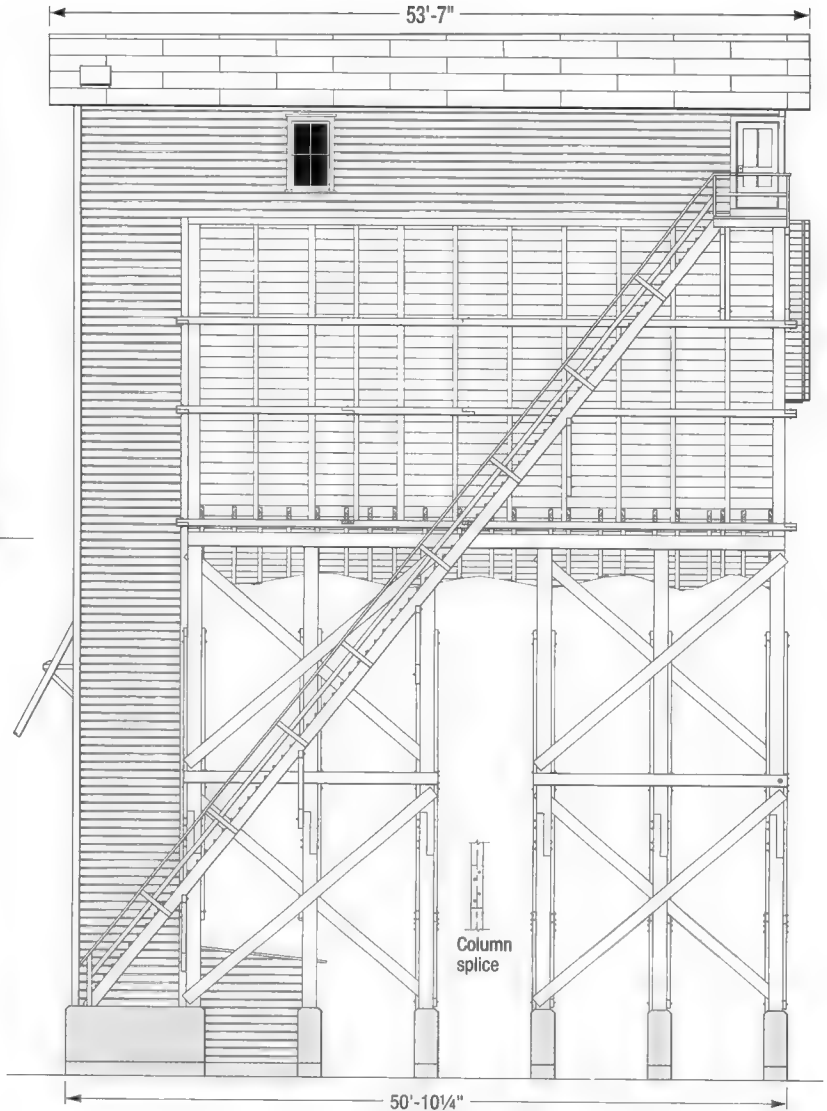
The tippie had a concrete receiving hopper and a bucket elevator that transferred coal up to a horizontal con-

veyor that ran across the top of the bins. Raw sand was dried and screened in the adjacent sand house and conveyed to a large tank mounted on the coaling station. From there it was fed by gravity to the locomotives. **MR**

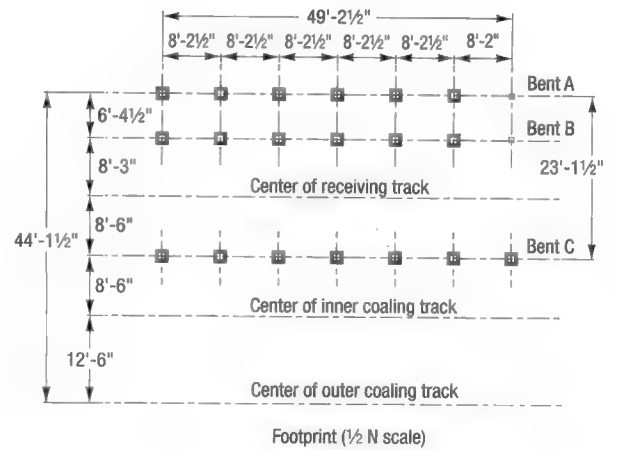
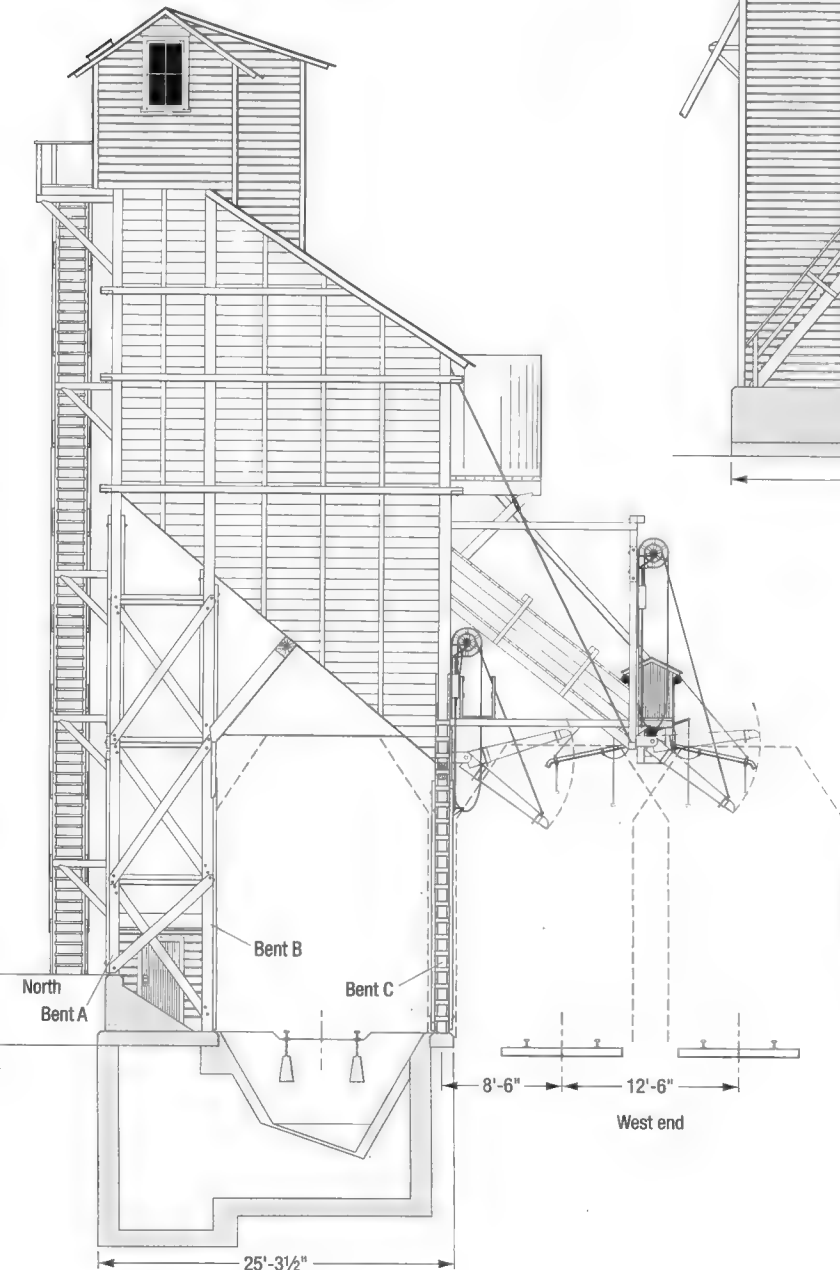
Harold W. Russell is one of the most prolific draftsmen in the hobby. He has had more than 160 drawings and construction articles published in Model Railroader magazine since 1966.



Inner bent B



North (hill) side
Bent A shown (bents B and C not shown for clarity)

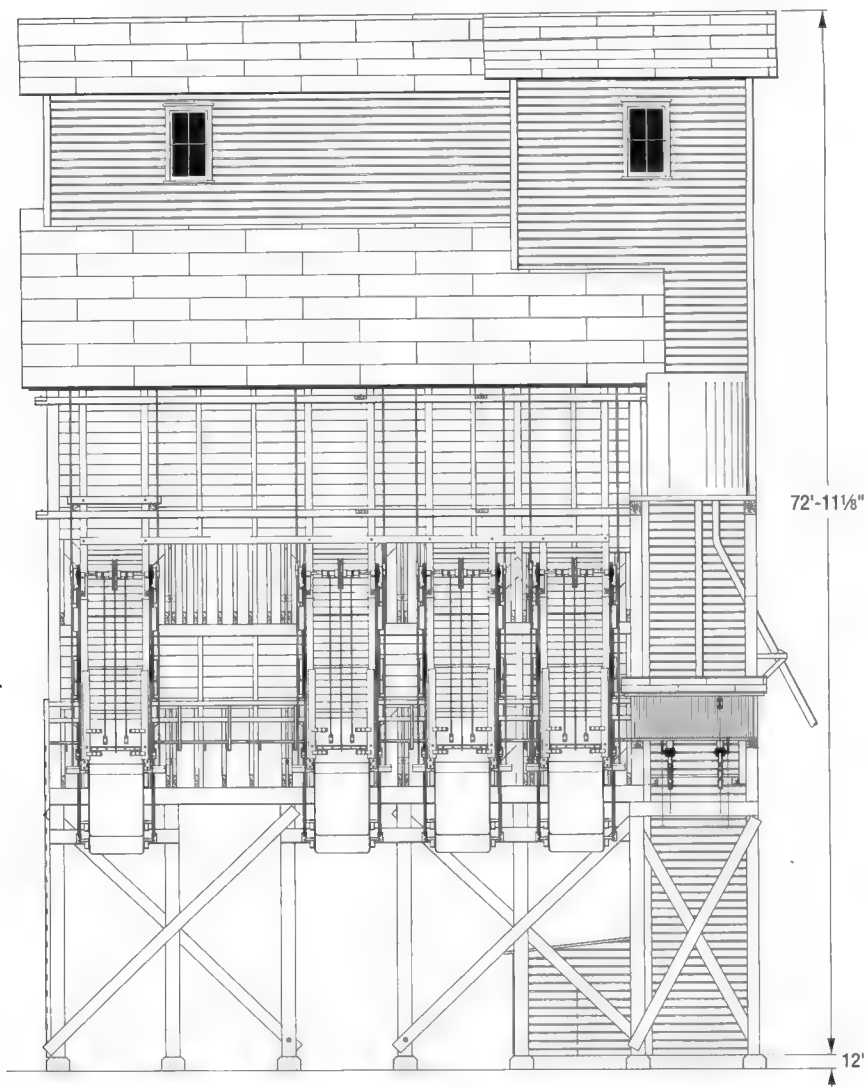


Footprint (1/2 N scale)

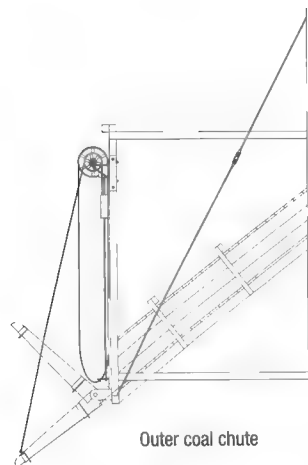
Drawn for *Model Railroader* magazine by

HAROLD W. RUSSELL

Magazine purchaser may have photocopies of these drawings made as an aid to personal or commercial model making or tool design but does not have the right to distribute copies of the drawings to others.



South (track) side
Bent C and outer coal chutes shown



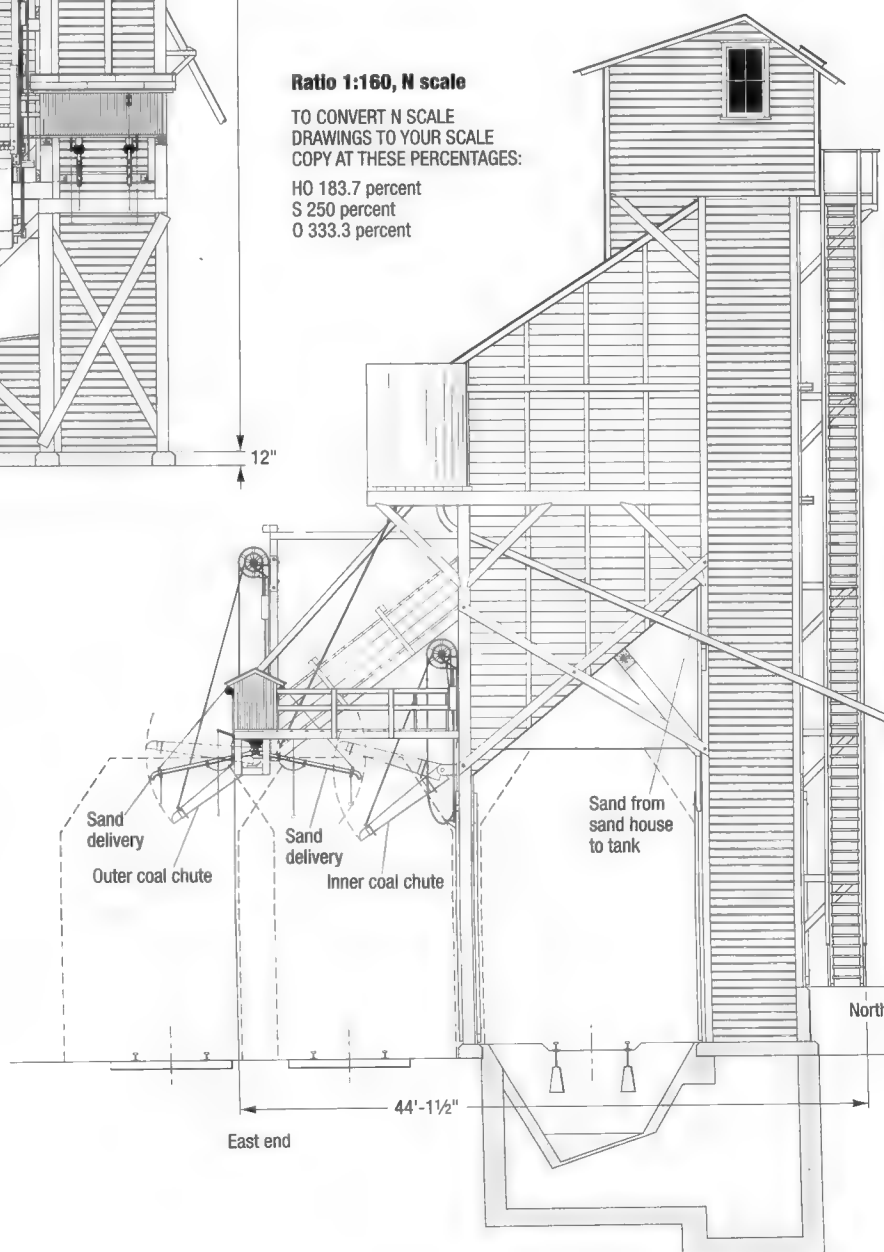
Ratio 1:160, N scale

TO CONVERT N SCALE
DRAWINGS TO YOUR SCALE
COPY AT THESE PERCENTAGES:

H0 183.7 percent

S 250 percent

O 333.3 percent





CANADA'S WORLD-FAMOUS TRAIN

Coming soon in HO scale

At 1 p.m. on Sunday 24 April 1955, a legend was born. The sleek stainless steel passenger cars of Canadian Pacific's *The Canadian* departed Montreal's Windsor Station for the inaugural run across Canada to Vancouver. Today, even with numerous upgrades and route changes, *The Canadian* still makes the journey every week, uniting communities across the country.

Rapido Trains Inc., Canada's only manufacturer of ready-to-run model passenger trains, is pleased to announce the release of Canada's most famous train, *The Canadian*, in HO Scale.

This will be the first complete model of *The Canadian* ever produced in ready-to-run plastic, including the first ever 100% accurate model of Canada's unique FP9 locomotive.

This is a limited edition of only 2000. Each train features two sound-equipped FP9A locomotives and ten glorious Budd passenger cars. Included in each numbered box is a coupon redeemable for one unpowered F9B locomotive. *The Canadian*

features all-new, super-detailed tooling from headlights to marker lamps.

The MSRP for this complete train is \$1499.95. Delivery is early 2010. The production run will be strictly limited to 2000 trains divided into six consists (see opposite page for more information). *The Canadian* can be reserved with your dealer on a first-come, first-served basis. Once they're gone, they're gone for good.



QUALITY. STYLE. SPIRIT.™

www.rapidotrains.com



Two Powered FP9A Locomotives

- First true Canadian FP9A ever produced in plastic
- Both locomotives are sound-equipped, DC and DCC
- Smooth-running motor and gears broken in at the factory
- Accurate grill styles for each road number
- Correct fuel tank, end door, icicle breakers and winterization hatch
- 100% accurate for CPR and VIA

Ten Budd-built Passenger Cars

- Fully Ready-To-Run
- Super-detailed underbodies, trucks and interiors
- All steam, air and electrical lines
- New, all-metal *MacDonald-Cartier Couplers™*
- All grab irons installed at the factory
- Full interior and dome lighting
- Illuminated drumhead and marker lamps on the Park Car
- 3D "Beaver" heralds on each car (in maroon schemes)
- 100% accurate for CPR and VIA

And a free F9B, to boot!

- A coupon redeemable for one free unpowered CPR/VIA F9B locomotive is included with each model of *The Canadian*.
- 100% accurate for CPR and VIA, including step skirts
- This super-detailed F9B will **ONLY** be available to purchasers of *The Canadian*. It will not be available separately.

CPR Maroon (Block) - FP9A 1406 & 1407 plus F9B 1900 #210001
Baggage-Dormitory 3017; Coach 111; Coach 120; Skyline 515; Diner Louise; Chateau Argenson; Chateau Rigaud; Amherst Manor; Douglas Manor; Yoho Park

CPR Maroon (Block) - FP9A 1410 & 1413 plus F9B 1901 #210002
Baggage-Dormitory 3008; Coach 105; Coach 119; Skyline 504; Diner Princess; Chateau Roberval; Chateau Lauzon; Grant Manor; Stuart Manor; Banff Park

CPR Maroon (Script) - FP9A 1408 & 1409 plus F9B 1903 #210003
Baggage-Dormitory 3000; Coach 103; Coach 117; Skyline 512; Diner Kent; Chateau Montcalm; Chateau Iberville; Thompson Manor; Dufferin Manor; Algonquin Park

CP Action Red (5" Stripes) - FP9A 1411 & 1412 plus F9B 4476 #210004
Baggage-Dormitory 602; Coach 108; Coach 123; Skyline 506; Diner Emerald; Chateau Salaberry; Chateau Dollard; Cornwall Manor; Burton Manor; Assiniboine Park

VIA Rail Canada (early) - FP9A 1406 & 1413 plus F9B 1962 #210005
CP Action Red (8" stripes) locomotives with VIA passenger cars
Baggage-Dormitory 605; Coach 102; Coach 113; Skyline 501; Diner Alexandra; Chateau Maisonneuve; Chateau Levis; Cabot Manor; Mackenzie Manor; Evangeline Park

Via Rail Canada - FP9A 1405 & 1414 plus F9B 1965 #210006
Baggage-Dormitory 610; Coach 116; Coach 127; Skyline 516; Diner York; Chateau Bienville; Chateau Lasalle; Bell Manor; Wolfe Manor; Riding Mountain Park

One last visit to the **Virginian & Ohio**



The V&O earned its nickname, "The Ridge Runner," by clinging to the sides of numerous Appalachian mountain ridges. Paul Dolkos caught up with no. 83 just as the train blasted out of Linn Creek Tunnel and crossed a deck-girder bridge.



An era that began back in 1957 comes to a close

By Tony Koester and W. Allen McClelland • Photos by Paul J. Dolkos

A Virginian & Ohio General Electric unit leads Electro-Motive diesels of the Allegheny Midland and V&O taking train No. 83 out of the Jimtown Yard. The V&O, AM, and Virginia Midland merged to form the Appalachian Lines.

One of the most enlightening and progressive eras our hobby has ever enjoyed came to an end in March 2008 when Allen and Sharon McClelland put their home in Miamisburg, Ohio, up for sale and moved into a cottage in a nearby retirement community. Although Allen will continue to build and detail models for others who have depicted portions of his well-chronicled Virginian & Ohio (V&O) on their layouts, there will no longer be a large, inspirational HO scale railroad in the McClelland basement.

Allen and Sharon decided that the time had come to turn home maintenance over to someone else and enjoy more time together and with their grandchildren. They tried to sell the house with the layout intact, but it turned out to be a liability when prospective buyers saw the “train set” in the ample basement.

It had been just a bit more than eight years since Allen and Sharon built a

new home. Allen and many of his close friends worked diligently to get the second edition of the freelanced Appalachian coal hauler operational, and by the time the McClellands had decided to relocate one more time, that goal had been achieved.

The main line was installed, the fiddle yards inside the central peninsula were in place, the coal branch rimming the peninsula and large preparation plant were installed, most industrial tracks had been glued down, and land-form scenery was taking shape.

In short, the Virginian & Ohio was once again alive and continuing to develop, if only for a brief period.

Then it was time to say goodbye. But not before *Model Railroader* contributor and photographer Paul Dolkos photographed nearly every square inch of the railroad to document the momentous run of train No. 83 that we’re sharing with you here.

In the final months of the layout, friends stopped by to run trains over

the railroad for the first and last time. Additionally, Allen held an open house for a regional National Model Railroad Association (NMRA) meet. Finally, Allen Keller Productions shot video footage used to compose a DVD of the second and last Virginian & Ohio. By June 2008, the railroad had been dismantled. The trend-setting era of the V&O was officially over.

There is good news, however: Major sections of it were sold to various layout builders. Allen is even helping fellow model railroader Gerry Albers build his HO scale Virginian Ry. layout (see *Model Railroad Planning* 2005), which includes a significant section of V&O main line.

Stories about Allen’s V&O were first published in the 1960s. The V&O was a pivotal model railroad as the hobby evolved from its formative years – when just getting scratch- or kit-built locomotives and rolling stock running smoothly was a major accomplishment – to today’s efforts to have our

Virginian & Ohio

A letter from Allen McClelland

In the following pages of this feature, Allen McClelland recounts the heritage of his freelanced Virginian & Ohio layout and a pivotal period in the fictional history of the railroad, a bridge line that partnered with other "fictional" model railroads to compete against the Chessie System and other lines.

Rather than tell this intriguing story through a simple first-person narrative, Allen dons the role of the railroad's chief executive drafting a casual letter to shareholders. Even in the waning days of the V&O, Allen remains as inventive as ever. – *Ed.*

VO
&
appalachian lines

virginian & ohio

W. Allen McClelland
Chief Executive Officer

June 7, 1975

Dear shareholders,

In 1967, the prospect of ever-increasing competition brought three railroad executives together for a high-level conference in West Carrollton, Ohio. Steve King, Tony Koester, and I – the chief executives of the Virginia Midland, Allegheny Midland, and Virginian & Ohio – met to iron out the details of a merger of our railroads into the Appalachian Lines. The merger became effective in January 1968.

Less than a decade later, we again found ourselves meeting to discuss the future of our railroad system, which faced the likes of the Family Lines and now the sprawling Chessie



1 Running ahead of an eastbound steam special, two Alco Century 424s on an eastbound freight meet an empty coal train near the summit at New Garver, W.Va.

2



V&O
appalachian lines

System. Could we continue to compete? Should we consider offers to merge our system into a competitor's?

It was time to make a careful, first-hand assessment of one of our major assets, the Virginian & Ohio's main line from West Carrollton in southwestern Ohio to Afton in north-central Virginia. More specifically, we wanted to inspect the Gauley and Stone Creek subdivisions in West Virginia and Virginia, as a lot of tonnage moved over or originated on that part of the V&O.

A sense of history

A CEO's first responsibility is to his company and its shareholders, but the three of us have always taken considerable pride in our strong belief in the importance of preserving corporate history. Company archives are filled with photographs and other records of the railroads from their earliest days right up to the mid-1970s.

We therefore arranged for Paul J. Dolkos, a professional rail photographer from the Washington, D.C., area, to document the movement of our special train as well as the day-to-day operations of the Gauley and Stone Creek subs. Paul would be escorted by Curt Marshall, the yardmaster at Undercliff Yard with 42 years of service.

To help us promote the Appalachian Lines' and the V&O's reputations as a soft-coal hauler and bridge route, Curt and Paul would focus more on daily operations than on the special. Therefore, they decided to meet at the east end of the Gauley Subdivision at Santel Yard in Jimtown, Va., and follow west-

2 The chief executives of the three railroads that form the Appalachian Lines rode an inspection train east over the Gauley Subdivision behind V&O 2-6-6-2 no. 2900. The special met hotshot 83 at the summit near New Garver. Coal magnate Otto Brauer recently restored the compound articulated.

3 The Virginian & Ohio right-of-way is punctuated with a series of bridges and culverts. This deck-girder bridge is just east of the summit of the division.

3



bound freight No. 83. They would meet the steam special out on the road.

We hope you can find for yourselves reason to see the splendor of the Appalachian territory our railroads serve. Until then, this brief narrative and Paul's photography, some of which our director of community relations has arranged to share with you here, will have to suffice.

A tour of the Gauley Sub

We anticipated a 3 a.m. departure from Gallipolis, Ohio, behind restored V&O 2-6-6-2 no. 2900 following the arrival of Advance 97, a super-hot piggy-back train to St. Louis. Advance 97 was about an hour behind schedule, so our departure was delayed until 4:50 a.m. The delay allowed a thin layer of valley fog to lift and let us enjoy the crossing of the Ohio River as the sun rose.

A quick double blast of 2900's whistle brings us to the present. The engineer for the special's run from Gallipolis, to Jimtown, Va., is our good friend and V&O shipper Otto Brauer, owner of the Otto Brauer Coal Co. A long-time rail enthusiast and qualified engineer, Mr. Brauer had single-handedly saved this locomotive from the scrap line. This would be the 2900's first run since restoration in early 1975. Observing over Otto's shoulder were veteran engineers Jim Rhinehart and Merv Hardman, the crew of the last regular V&O steam run in 1958.

4 Number 83 parallels a freight exiting Horseshoe Tunnel – the railroad's longest bore at 1,802 feet – as both trains descend the grade west of the summit along Pine Creek.

5 Approaching South Marlinton, W.Va., No. 83 soars over the C&O's Greenbrier Subdivision, which follows the Greenbrier River from its main line north to a connection with the Western Maryland at Durbin, W.Va.

6 At the bottom of the eastbound helper grade is Undercliff Yard, named for a prominent geological feature there. The V&O has a small engine terminal and yard here to serve the industries that populate the valley.





V&O
appalachian lines

A pall of smoke marked the path of our climb out of the Ohio Valley. We soon crossed into another, much narrower valley sliced through the Appalachians by Stone Creek. Here the V&O's Stone Creek Subdivision vaults over the main line and then descends into the Greenbrier Valley on a ledge.

That significant tonnage-generating branch joins the main at Valley Junction at the west end of Undercliff Yard in South Marlinton, W.Va. Just west of the Valley Junction Tower, the gold spike monument between the main and the branch still stands as another testimonial to our efforts to preserve V&O history.

The V&O's Undercliff Yard is not a division point, but a small engine terminal here provides power for Stone Creek Sub mine runs and locals. Yard and industrial switchers are also based here.

After a brief stop for water, courtesy of the South Marlinton volunteer fire department, and running-gear lubrication and inspection – Otto assures us the rods and bearings are cool to the touch – we are off again. The sprawling Greenbrier Paper Co. plant – the Gauley Sub's biggest non-coal shipper – passes by on our left, and the Mallet resumes its staccato bark as we pass the connection with the Chesapeake & Ohio's Greenbrier branch at Brestel Junction.



7 The gold spike monument on the original V&O main line is still intact but wound up on the Stone Creek Subdivision when the V&O relocated the main line to ease the curvature and grade while avoiding light-duty bridges.

8 The Stone Creek Sub sees a daily local called the Zack Turn out of Undercliff as well as a mine run dubbed the Lower Yew Turn. Here the Zack Turn, headed by RS-11 1814 in Appalachian Lines livery, has just passed the gold spike monument.



9 The Lower Yew Turn stops to switch the Otto Brauer Coal Co.'s tippie on the Stone Creek Sub on its way back to South Marlinton. This line's sharp curves and light bridges can accommodate only smaller hoppers and four-axle power.

The grade out of the Greenbrier Valley stiffens here from 1.27 to 1.77 percent. Our train swings first this way and then that as we pound relentlessly up the flank of Roberts Mountain toward the summit at Pine Ridge, W.Va.

A look ahead at a green-over-red signal confirms that the dispatcher in Af-ton, Va., has everything lined up for us. He has orchestrated a rolling meet with slowly moving manifest No. 83 that Curt and Paul have been following, and a westbound empty hopper train occupies the north track. The two of them wave to us from the top of a rock cut as the empty hopper train's crew gives us a rolling inspection.

All too soon, the inspection trip comes to an end as we ease down the 1.7-percent gradient and punch through State Line Tunnel into Virginia. Linn Creek Tunnel is the next Mountain State landmark we pass through on our approach to Santel Yard. We roll through Lindale, over Midland Switch at Kingswood Junction, where the Allegheny Midland joins the V&O, and then enter the west end of the V&O's main classification yard at Jimtown.

Looking ahead

As Steve, Tony, and I recline aboard car 607, enjoying our favorite beverages and an enduring friendship that has spanned the decades, we reassure each other that our combined railroads are indeed up to today's challenges, and that there's nothing looming in the last half of the 1970s that we can't handle.

Still, I briefly ponder what the future may hold for me. Is it time to consider retiring, to leave such important matters of industry to younger folks?

Nevertheless, it has been a great ride. — Allen McClelland



10 The engineer throttles back as Advance 97 rounds the curve under the Stone Creek Sub and into Wynegate, W.Va., which marks the end of his turn.

11 The Advance 97 accelerates west out of Undercliff Yard and crosses yet another short deck-girder bridge as the Lower Yew Turn eases down the mountain toward home.

**1ST PLACE
WINNER**
BUILD A SCENE CONTEST

Eureka!

A town is born

Part 1: A backwater burg is the perfect fit for an odd-shaped space

By Gerry Leone • Photos by the author

It's funny how your mind works. It can be stumped on a problem for days, weeks, or even years, and then suddenly, bingo! There's the solution.

That's the way the town of Eureka sprang up on my HO scale Bona Vista RR. While constructing the benchwork I started forming mental images of each of the areas on the layout, so that by the time I was ready to start the scenery, I had a good idea of which areas were "rural" and which were "urban" – except for that pesky return loop. I'd built my Masonite backdrop in that area in a tear-drop shape, thus creating an 18" wide, curved shelf. For eight years I couldn't get a mental picture of what should go in that strangely shaped area. A forest? A stream? A hillside?

Then one night it hit me like a bolt of lightning: a town! Just like that, the little hamlet of Eureka was born.

Obviously, that moment of inspiration and exhilaration was one of the reasons I named my town Eureka. But

coincidentally, there really was a town of that same name just a few miles from my house, on a long abandoned rail line. Though some maps still show the town, the last storefront was torn down a few years ago. But that gave me a second reason for my town's name.

When I started planning this scene, I decided to give my town a little history, so I'd have a mental road map to follow when selecting structures and other details. Eureka would be the oldest town on my 1953-era layout, one that probably existed before the rails were laid. It would have a little depot, but because the town was there first, there would be no online industries. This was to be a place that had seen much better days, a place most people just pass through.

Laying the foundations

With that history in mind, it was time to get started. I'd laid the track in this area years before: Atlas Code 83 flextrack glued to cork roadbed. The cork was laid on $\frac{5}{8}$ " plywood.

The first order of business would be to fill the void between the plywood subroadbed and the backdrop. For this I used extruded foam insulation. (See **fig. 1** on page 68.) I made a paper cutting template, transferred that pattern to the foam, and cut it with a box knife. Because it wouldn't have to bear much weight, I braced it with boards hot-glued to the benchwork.



To add interest to the otherwise flat area at the end of the adjacent yard, I decided to add a hillside along one portion of the backdrop and have the track cut through it. This cut makes a neat entrance to the scene.

I made the hillside by stacking and gluing layers of 2" thick foam insulation together, then – to paraphrase an

Next month

In February's MR, Gerry Leone shows how he built and weathered the structures for Eureka, as well as how he made the town look lived in with scenic details.



old joke – cutting away anything that didn't look like a hillside. See **fig. 2** on the next page. Since this area is the farthest from the fascia, I had to lean over the foreground to work on it. Therefore, I did it first.

Most of my layout's scenery is made using techniques Dave Frary outlines in *How To Build Realistic Model Rail-*

road Scenery (Kalmbach Publishing), which in my opinion is the bible of scenery. Because it was difficult to reach across the benchwork to work on the area, I brought the whole hillside to the workbench for scenicking. I first glued Hydrocal rock castings and talus to the front of the hill, then added a layer of Sculptamold to smooth things

For years, Gerry Leone wondered what to do with a narrow, curved space surrounding a return loop on his HO scale Bona Vista RR. Then one day, inspiration hit. The resulting town of Eureka won first place in our Build-A-Scene Contest.

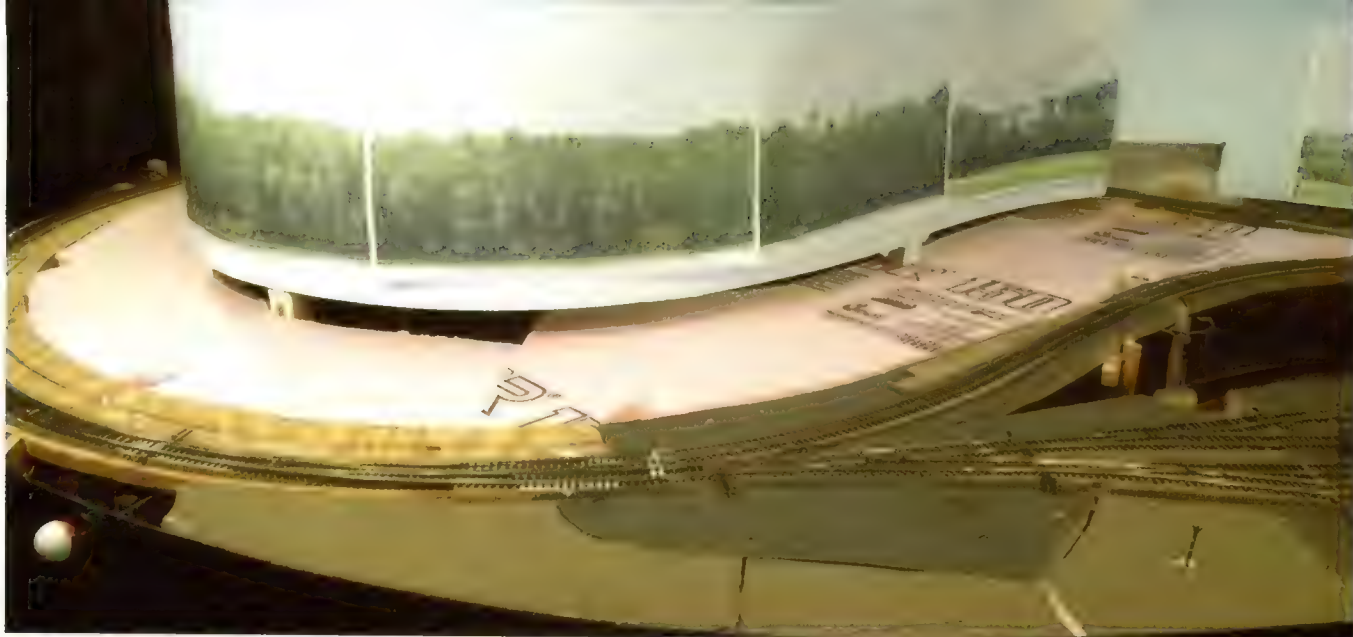


Fig. 1 Thinking pink. Gerry started by building a base from extruded foam insulation board. Since it wouldn't have to bear much weight, he supported it with boards hot-glued to the benchwork.



Fig. 2 Raising a hill. Gerry used a hot wire foam cutter to sculpt more foam board into a hill. The cut through the hill separates Eureka from the nearby yard and serves as an entrance to the new town.



Fig. 3 In the cut. Gerry glued Hydrocal rock castings and talus to the trackside edges of the hill to model the cut. He then topped the hill with Sculptamold, painted it brown, sifted on real dirt, and glued on a mix of ground foam turf.

out. I painted the Sculptamold with dark brown latex paint and sprinkled a layer of finely sifted dirt into the paint while it was still wet. I then glued down a mixture of green Woodland Scenics coarse ground foam by wetting it with rubbing alcohol, then dripping on white glue diluted 1:4 with water.

With that done, it was time to blend the hillside into the surrounding terrain and ballast the track passing through it. Although many model railroaders spray their track with brown paint to color the ties, I prefer to paint each tie by hand. This may sound tedious, but I've found it goes surprisingly quickly, and it gives the track a great deal of visual variety and interest. I use Polly Scale Railroad Tie Brown, Reefer White, Grimy Black, and CP Gray all mixed randomly on the brush and on the ties. Following that, I use a brush to paint the sides of the rail dark, rusty brown. I ballasted the track with my mainline ballast color combination – Woodland Scenics fine brown, dark brown, and cinders. You can see the result in **fig. 3**.

To top the hill, I first created some underbrush using poly-fiber filler. After pulling it until it was lacy, I doused it with cheap hair spray and shook it in a covered cup filled with Woodland Scenics turf. Before the hair spray dried, I spread these puffballs out on the hillside and teased them by hand until they looked right, as in **fig. 4**. I then planted a forest of Scenic Express and Woodland Scenics trees, plus some I made from painted goldenrod. I use modified plastic clothespins to hold the trees while they dry – a technique my friend Chuck Diljak and I wrote about in the July 2006 *Model Railroader*.



Fig. 4 Green thumb. Gerry landscaped the hill with bushes and underbrush made of poly fiberfill painted green and adorned with ground foam foliage. He then used clothespins to hold trees in place until their glue dried.

►► List of materials

Color Rite/K-Tool Products

Assorted rock molds

Scenic Express

220 SuperTrees starter kit

Woodland Scenics

44 Burnt Grass fine turf

45 Green Grass fine turf

63 Light Green coarse turf

64 Medium Green coarse turf

65 Dark Green coarse turf

182 Light Green clump foliage

183 Medium Green clump foliage

1103 Green deciduous trees

Assorted rock molds

Other materials

Diluted white glue

Dried goldenrod

Extruded foam insulation, 2" thick

Foam core

Front-silvered mirror

Hair spray

Isopropyl alcohol (70 percent)

Latex paint, dark brown

Liquid Nails for Projects

Poly-fiber filler



Fig. 5 "Playing checkers." Paper mock-ups, unfinished models, and structures borrowed from other parts of the layout helped Gerry visualize the shape his town would take and plan the route for its main street.

Reflecting on roads

With the hillside done, it was time to plan the town itself. To get the most mileage from the space, I decided to run Main Street more or less parallel with the tracks. Using a few building mock-ups I had lying around, I spent a few evenings "playing checkers," jumping the buildings here and there (as in **Fig. 5**) until I found an arrangement I liked. However, this configuration of



Fig. 6 Mirror on the wall. The plan Gerry came up with for Eureka led Main Street straight into a backdrop. To avoid a "gap" between the road and the mirror, he used a front-silvered mirror to make the road appear continuous.



Fig. 7 Road work ahead. With the mirror in place, Gerry cut his street from foam core, painted it gray, and glued it down.



Fig. 8 Adding texture. Gerry uses a makeup sponge to add streaks of powdered pastels to Main Street.



Fig. 9 Showing its age. After installing the road and making its shoulders with N scale ballast, Gerry used a fine-point marker to represent cracks patched with tar. He later softened the effect with more powdered pastels.



Motor car no. 51 makes a stop at Eureka Depot. Next month, Gerry will explain how he made the structures and finished landscaping the town.

buildings would force Main Street to dead-end into the backdrop – something I'm not very fond of.

So I used a front-silvered mirror, the kind I wrote about in my scenery tip in *Great Model Railroads 2008*. (Front-silvered mirrors, also known as front-surface or first-surface mirrors, have their reflective surfaces on the front of the glass, which eliminates the visible "gap" between objects butted up against them and their reflections. They are available from scientific or optical supply companies. – Ed.)

Because structures with repeating elements – like fence stakes or block walls – help disguise mirrors, I added a retaining wall built from individually stained 8 x 8-scale inch timbers, making sure to butt it up against the front

of the mirror, as seen in **fig. 6** on page 69. The wall helps the illusion that the road continues curving around the bend. When the glue had dried, I added vertical beams to the wall.

I then planned the road's exact configuration by cutting out sheets of black-painted paper and readjusting the locations of the structures. This paper road became the template for cutting the final pavement from foam core. Before I mounted it to the layout, I sprayed the road with gray primer, then a very light, uneven overcoat of a lighter gray. After the paint dried, I glued the road to the layout, making sure its edge was firmly butted up against the mirror, as seen in **fig. 7**.

I gave the road some visual texture by rubbing black and white pastel dust on the surface with a makeup sponge, as shown in **fig. 8**. I then used a fine point marker to draw some cracks and tar patches on the pavement, as in **fig. 9**, and again lightly coated the road with the pastels to soften and blend in the pen marks.

I added Woodland Scenics field grass (I mixed Medium Green, Light Green, and Harvest Gold) to the ditches next to the track, and later added some scratch-made cattails, as outlined in my article, "Lily pads, cattails, and pond scum" (*Model Railroader*, March 2001). A few drops of Enviro-Tex in the ditches add that "wet ground" look.

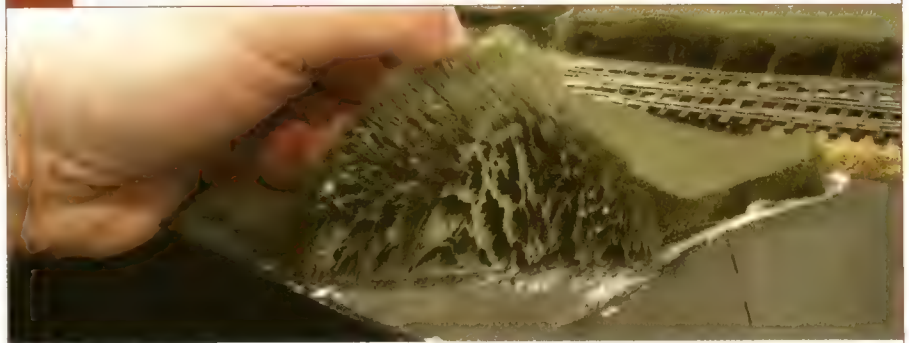
Before I could do more scenery, I'd have to add the structures that would turn Eureka from terrain into a town. I'll explain how I built the town in next month's issue of *Model Railroader*. **MR**



Meet Gerry Leone

Gerry Leone lives in Excelsior, Minn., and is creative director at a Minneapolis advertising agency. His Bona Vista Railroad was featured in *Great Model Railroads 2008*. He shares his house – but not his layout – with his wife Renay and two cats, Norma and Phyllis.

Tall grass from face-down fake fur



After making a paper template to guide his cutting, Gerry glues green fake fur face-down to the terrain to represent tall grass and weeds.



Once the glue has dried for several days, Gerry uses a single-edged razor blade to cut away the backing cloth from the fur.



Not all the fur will stay glued to the terrain. Gerry uses a cat brush to remove loose fibers, giving the grass a realistically sparse appearance.

I wanted a field of overgrown grass and weeds along the aisle and between the tracks, so I used one of my favorite scenery materials, green fake fur.

I began by making a paper template of the area where the tall grass would be, tracing that on to the back of the fur, then cutting it out. I then spread a thick coat of yellow carpenter's glue on the layout surface and pressed the fabric into it, fur-side down. (I glued it this way because I think it looks far too dense if placed right-side-up.)

After the glue had set for a day or two, I carefully cut the fabric backing from the fur as close to the fabric as possible, using a single-edged razor blade. I cut it with a "hacking" motion to keep the fur from ending up too uniform in length. Then came the fun part: thinning the fur by brushing it with a cat brush. The thinner the fur ends up, the more realistic it looks.

To add some color variation, I sprayed it here and there with green, brown, and beige paint. I find camouflage paint works best because it's intended to mimic the colors found in nature. The last step is to lightly coat the fur with hairspray and sprinkle on just a little Woodland Scenics Green Grass turf here and there. This adds a wonderful texture that looks like seed heads. – G.L.

Big-time operations dominate this O scale **Pennsylvania RR** track plan

The 31 x 31-foot Upper Schuylkill Division features a helix, double-decking, and staging loops to accommodate a busy main line

By John Armstrong



Illustration by Rick Johnson

The O scale Upper Schuylkill Division is the last unpublished track plan designed by John Armstrong in the *Model Railroader* files. This 3-D drawing shows how the layout might look in a 31 x 31-foot room.

Uncommitted as to whether it's in the Allegheny Mountains or Blue Ridge Mountain territory, the Upper Schuylkill Division of the Pennsylvania RR is in a setting generally typical of PRR country. The track plan is for an O scale layout over which mainline passenger and freight trains can display themselves without being tied down to any specific locations or operations.

The Upper Schuylkill Division main line rises steeply enough to provide a comfortable walkunder (65" clearance), if not a completely no-stoop,

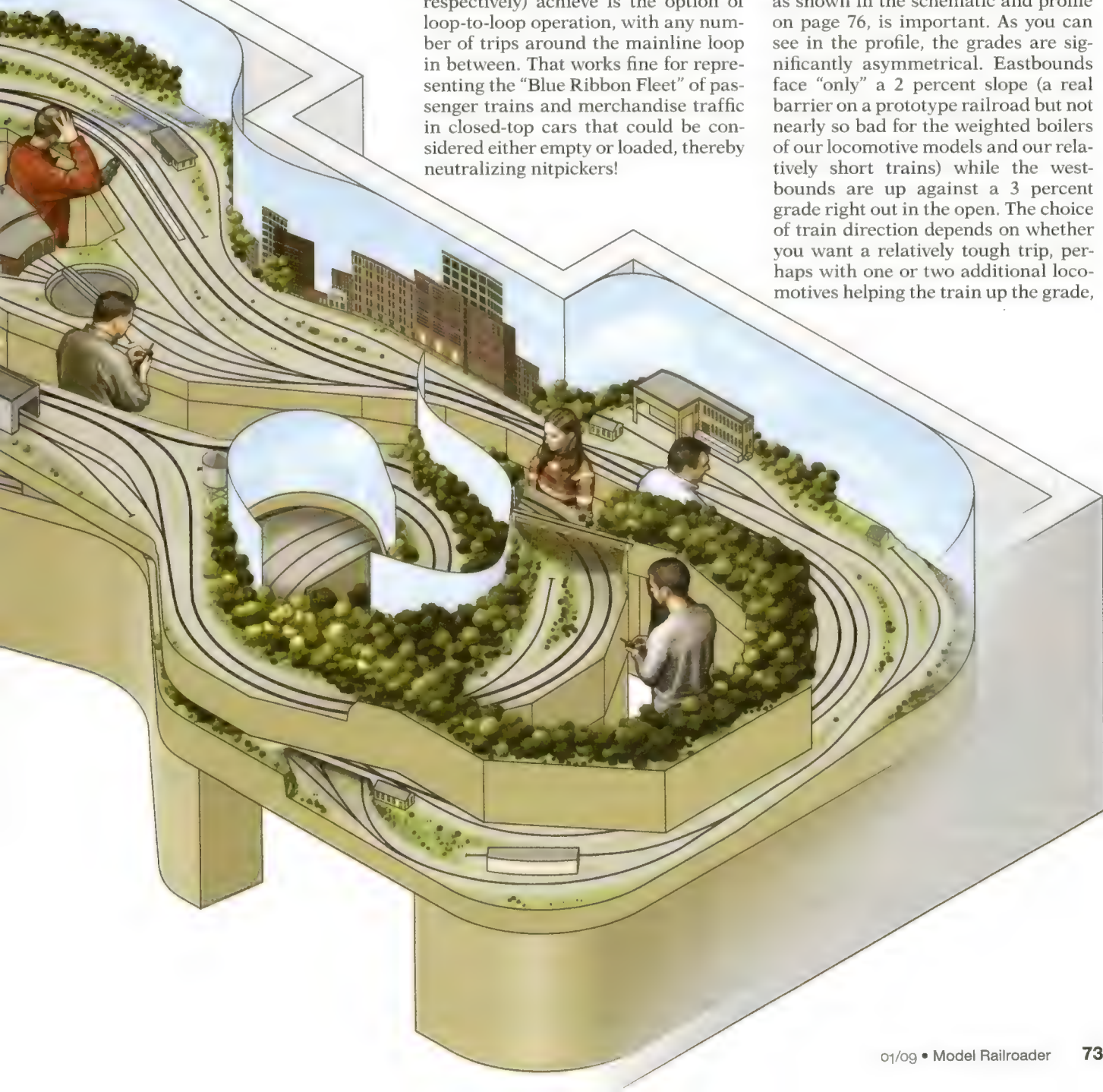
entrance to the aisleway from which all the visible mainline trackage is accessible. Some double-decking, a helix, and an overhead staging loop are the prices to be paid for simulating big-time mainline railroading in relatively tight quarters.

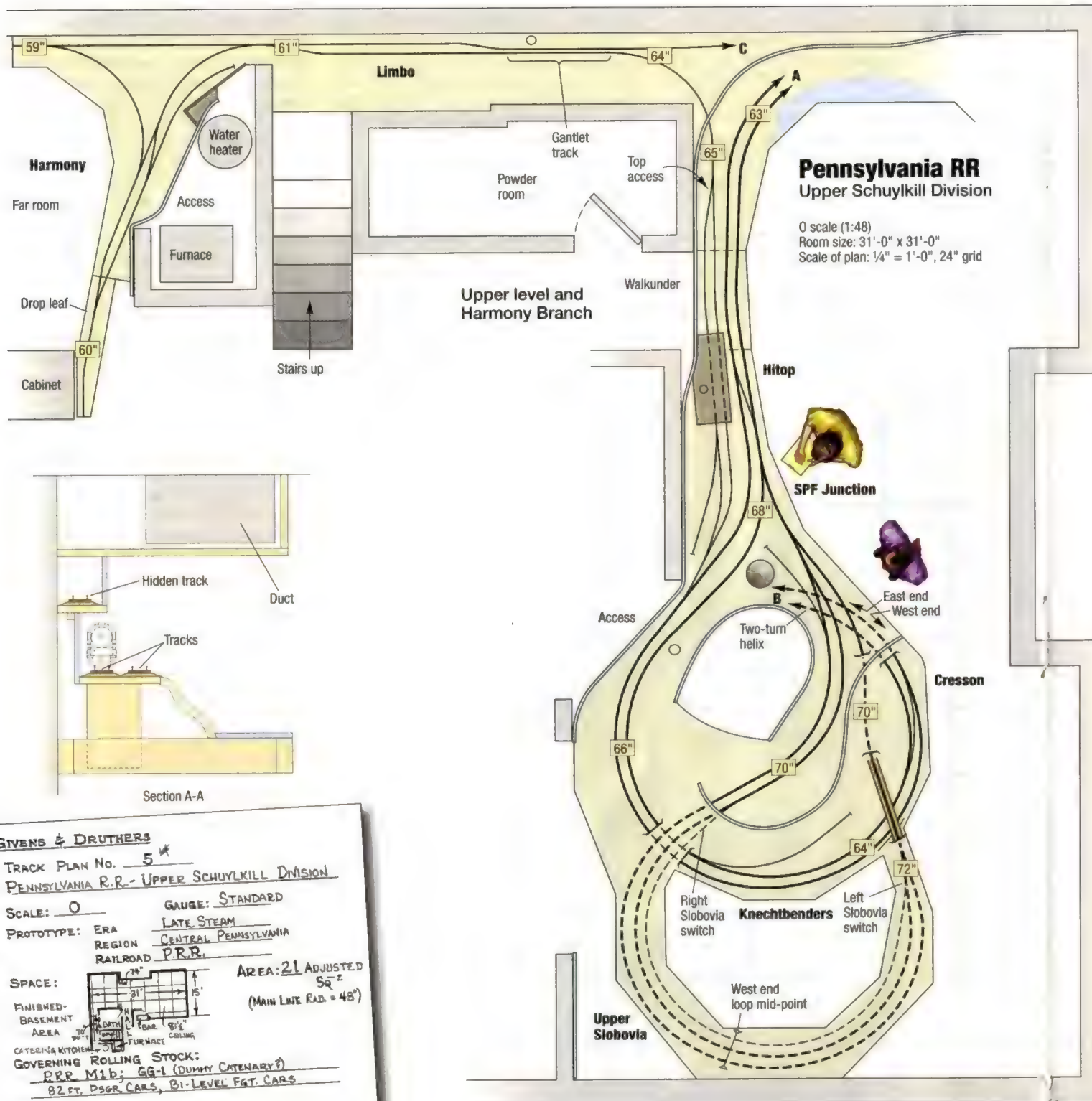
Grades and open tops

Also typical for layouts in this size range is double track. If you try to represent heavy-duty, single-track operations, you sacrifice realism. There are too few passing tracks, and those you have aren't long enough. What those top and bottom staging and reversing loops (Upper Slobovia and Mill Valley, respectively) achieve is the option of loop-to-loop operation, with any number of trips around the mainline loop in between. That works fine for representing the "Blue Ribbon Fleet" of passenger trains and merchandise traffic in closed-top cars that could be considered either empty or loaded, thereby neutralizing nitpickers!

Whatever this piece of Pennsy property is, however, it has heavy coal traffic, with strings of loaded H21 hoppers heading east and empties moving west toward the mines. (A photo of an PRR M1a 4-8-2 hauling a train of loaded coal hoppers along a four-track main line is shown on page 76.) Once the Harmony branch is built and operational, there is an empties-in, loads-out arrangement that can simulate some of this traffic – but not enough – before time runs out on an enjoyable evening of running trains.

The fact that the plan's continuous-run main line can handle both eastbound loads and westbound empties, as shown in the schematic and profile on page 76, is important. As you can see in the profile, the grades are significantly asymmetrical. Eastbounds face "only" a 2 percent slope (a real barrier on a prototype railroad but not nearly so bad for the weighted boilers of our locomotive models and our relatively short trains) while the westbounds are up against a 3 percent grade right out in the open. The choice of train direction depends on whether you want a relatively tough trip, perhaps with one or two additional locomotives helping the train up the grade,





GIVENS & DRUTHERS
TRACK PLAN No. 5
PENNSYLVANIA R.R. - UPPER SCHUYLKILL DIVISION
SCALE: O **GAUGE: STANDARD**
PROTOTYPE: ERA **REGION: CENTRAL PENNSYLVANIA**
RAILROAD: P.R.R.
SPACE: **AREA: 21 ADJUSTED**
FINISHED-BASEMENT AREA **52' x 15'**
GOVERNING ROLLING STOCK:
P.R.R. M1b; GG-1 (DUMMY CATENARY?)
82 FT. PSGR CARS, 81-LEVEL FGT CARS
RELATIVE EMPHASIS:
TRACK/OPERATION **SCENIC REALISM**
MAINLINE RUNNING **SWITCHING**
OPERATING PRIORITIES:
1. MAIN-LINE PSGR TRAINS (8-12 CARS)
2. MEDIUM-LENGTH FREIGHT TRAINS (10-15 CARS)
3. ENGINE TERMINAL MOVEMENTS
4. LOCAL FREIGHT OPERATIONS
5. PSGR TRAIN SWITCHING
6. COMMUTER TRAINS & TRAFFIC
TYPICAL OPERATING CREW: 1-4 **EYE LEVEL (OWNER): 64 IN**

or you want an easier time of it with a single engine.
 The O scale layout has a 48" minimum mainline radius, which is equivalent to about 26" in HO scale. This radius fits somewhere between conventional and broad standards. Full-length passenger cars and all but the most rigid-

framed steam locomotives can be made to run comfortably without serious compromises to appearance, though some tinkering may be necessary.

How about appearance of passenger trains? There is room for only one ultra-broad, purely cosmetic curve, but most of the visible

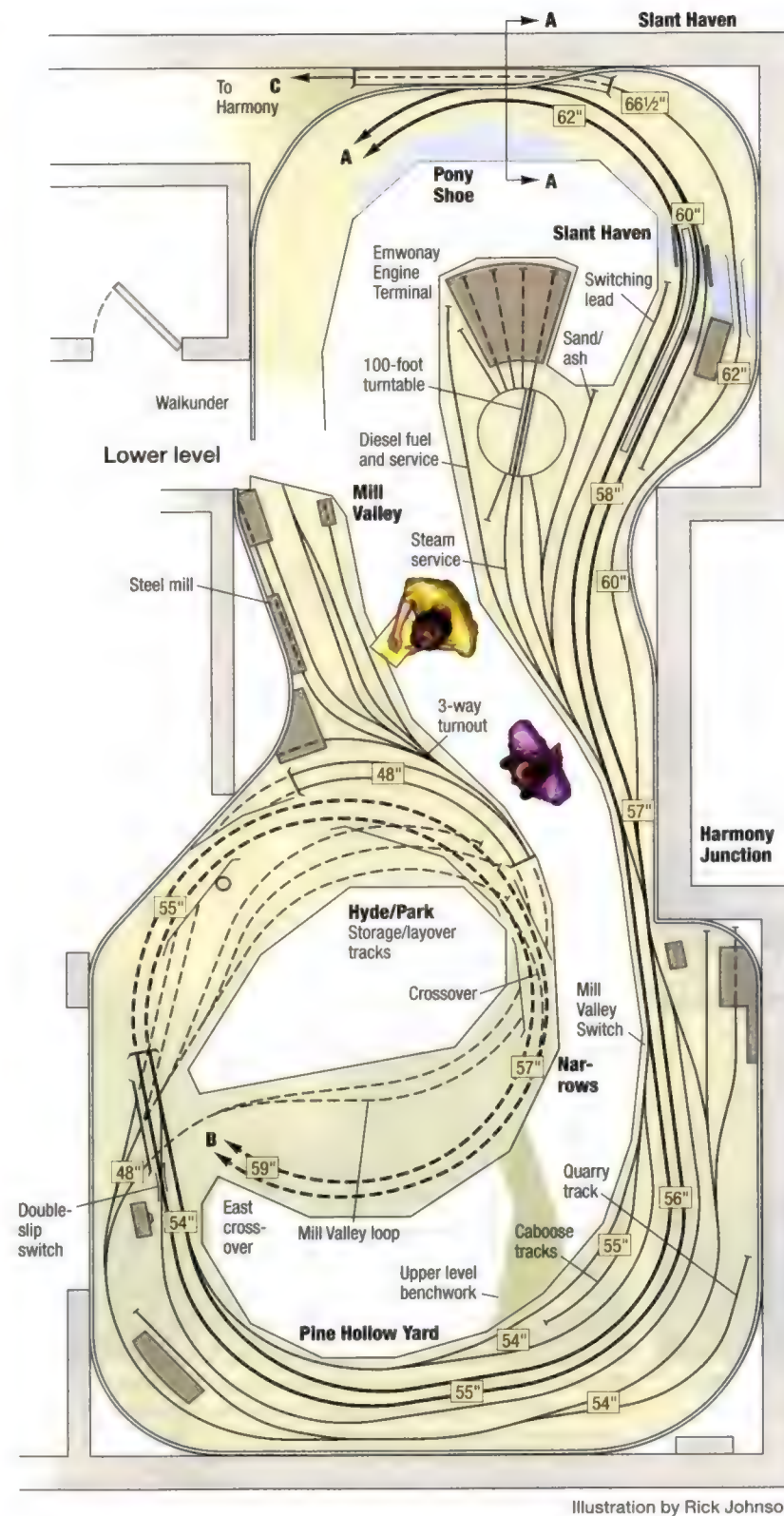


Illustration by Rick Johnson

mainline curves are seen from inside and from near eye level, which is the angle that de-emphasizes the appearance of sharpness.

Operation

Commuter service and passenger train switching (at the bottom of the "Givens & Druthers" list of operating

priorities on the previous page) receive rather short shrift in a plan of this size. Presumably the modeled section of the line is far enough from the big city that commuter stations are far apart, and Slant Haven is the only stop within the modeled segment of main line. You might need one or two more short platforms to spice up trips by the MP54

The track plan at a glance

Name: Pennsylvania RR
Upper Schuylkill Division
Scale: HO (1:87.1)
Size: 31 x 31 feet
Prototype: Pennsylvania RR
Era: late 1940s to mid-1950s
Style: multi-level, walk-in
Mainline run: 150 feet
Minimum radius: 26"
Minimum turnout: no. 5
Maximum grade: 4 percent

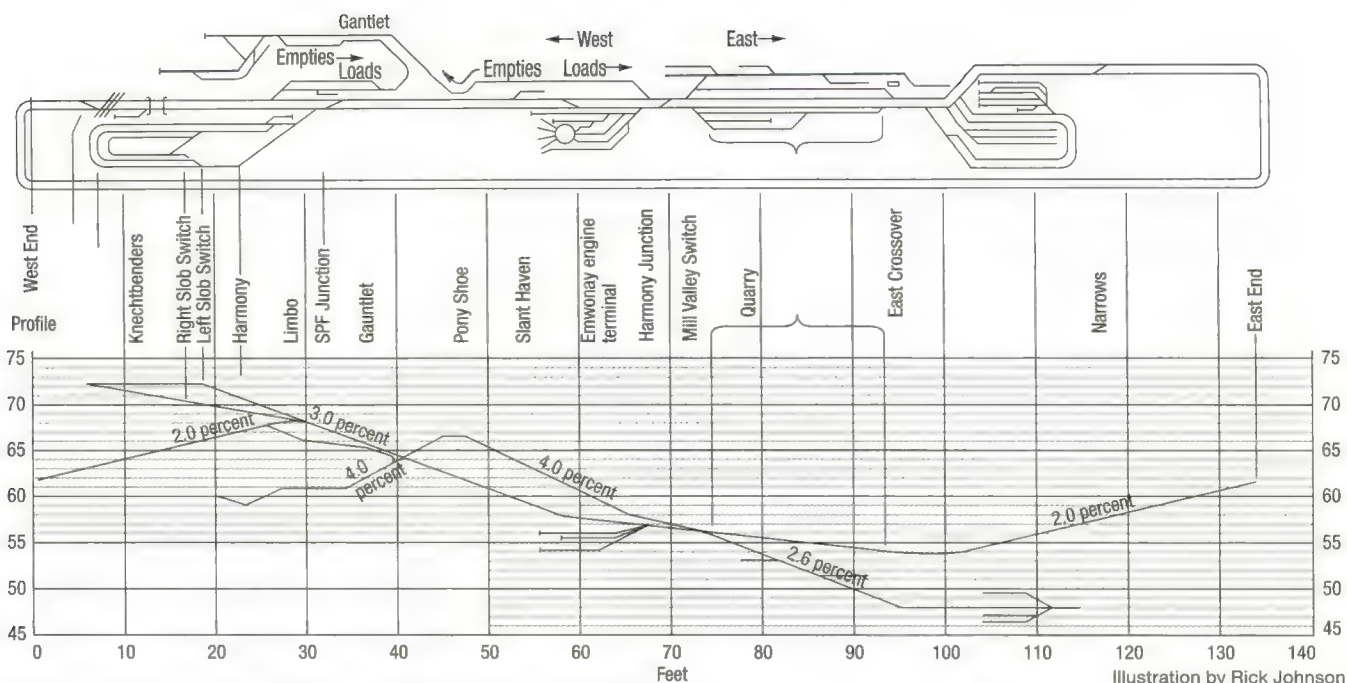
multiple-unit cars, if you decide that electrification has come this far on the Pennsy. The photo of Strafford, Pa., on the next page shows MP54s making a station stop on the prototype PRR.

Passenger and freight service is at the top of the list of operating priorities, and this layout offers a lot of opportunities to run both types of trains.

Offstage (behind the hill) there's a lot more to Slant Haven than is evident at the station. Some through trains stop there regularly, and a Pullman sleeper that is picked up by a west-bound overnight train at midnight is matched by a Pullman that sails into the city eastbound in the morning. On its return it's brought out to Slant Haven sometime during the day by a local freight, and it opens for occupancy at 9:30 p.m. to repeat the cycle.

Branchline local freight service can add a lot more variety to the operations on the Upper Schuylkill Division. The Harmony Branch achieves this only with some challenging civil engineering that snakes a track through an opening into distant territory. Here a compact wye allows the branchline local to return in proper order after exchanging loads and empties at the almost-invisible mine. A gantlet section gets the branch past a utility pipe in the basement. Only snug dimensioning all the way back to Harmony Junction allows the branch line to overhang the main line at Ponyshoe enough (as shown in cross-section A-A in the track plan on the previous page) to maintain the designated radius on both tracks and a substandard but adequate 19" aisle width opposite Narrows.

Pine Hollow Yard and the Emwonay engine terminal are convenient to view and operate because both locations are laid out end to end rather than side by side; also, you can use many of their tracks for two or more purposes. Do you have too many steam locomotives at home? Put some on the switch lead for storage and use the diesel service



Running on the four-track main, a Pennsylvania RR M1a-class 4-8-2 leads a westbound freight alongside the Susquehanna River at Duncannon, Pa. Don Wood photo



Electric MP54 multiple-unit cars depart Strafford, Pa. The track plan's setting is removed from the big city, but commuter operation is possible. George H. Drury photo

track to keep on making up the locals in Pine Valley.

Construction of the Upper Schuylkill Division layout in stages is practical. Mill Valley must be built early on, of course, but this location provides a lot of terminal railroad switching and out-and-back possibilities as soon as some track is in service at Pine Valley and in the engine terminal. From then on the railroad steadily takes on more main-line flavor as the two ends of the basic

double-track loop push their way toward the golden spike ceremony. **MR**

The late John Armstrong, known in the hobby as "The Dean of Model Railroad Track Planning," knew prototype railroading intimately and in his lifetime designed hundreds of innovative, scenically pleasing, and operationally sound layout designs. Model Railroader magazine has published many of John's track plans over the years.

Our 75th anniversary issue seemed the appropriate time and place to publish this, the last Armstrong-designed plan in the MR files.

More on our Web site

Want to see more John Armstrong track plans and layout ideas? Check out the Best of John Armstrong Vol.1: Room-size track plans of the 1950s at the Information Station. Visit www.ModelRailroader.com



Operate your layout using a prototype timetable



How to adjust time and distances for model railroad use

By Tony Koester • Photos by the author

In model the 1950s, a time when the movement of trains by timetable and train-order rules was still common. The employee timetable included train schedules along with special instructions supplementing the book of rules, which was each railroad's bible. Train orders could amend the timetable – say, to tell all concerned that a superior train was now to run an hour late, thus helping opposing trains keep moving against it, or to authorize an extra (unscheduled) train.

The key is that all trains moved in relation to the schedule – as published or as amended – in the timetable. Unless they had an order that gave them right over a scheduled train, an extra train's crew had to find holes in the schedule that allowed them enough time to move between stations without interfering with a scheduled train.

Since the railroad I'm modeling operated under timetable and train-order rules, I needed to publish a timetable that my dispatcher and crews could use as the basis for train movements.

All the trains, only part of the run

I wanted to run the entire schedule of trains the Nickel Plate Road ran on

the part of the line I model in HO scale. The NKP's Clover Leaf District Timetable 68, of Sept. 26, 1954, shows two first-class passenger trains (9 and 10) and 10 second-class freights, including a local that ran westbound only. I knew the NKP commonly ran sections of its hot freights to handle extra traffic, not to mention the occasional extra, so this timetable was clearly the place to start.

But there was a snag. The timetable showed all 25 stations along the Third Subdivision that I model, but I'm modeling only 10. Also, this subdivision's 113-mile length was much more than the roughly 8 scale miles of main line I have in my basement. Obviously, a train leaving the west end of the Third Sub at Charleston, Ill., would arrive at the east end, Frankfort, Ind., a lot sooner than its full-size counterpart!

That's where fast clocks come in. A fast clock operates at a speed faster than a normal clock. A 6:1 clock counts off six hours in the space of one. You can purchase fast clocks from several manufacturers, including Rail-Lynx (www.rail-lynx.com) and GML Enterprises (www.thegmlenterprises.com).

For me to model the actual running time from one end of the subdivision to

The basis for safe and efficient train movements over Tony Koester's HO scale Nickel Plate Road is the employee timetable. Here a late-running No. 98, left, waits in the siding as passenger train No. 9 leaves Linden, Ind., "on the advertised" at 1:11 a.m. Since distances are compressed, Tony uses a 3:1 fast-clock ratio, and revised the times shown in NKP Timetable 68 except at the main terminal in Frankfort, Ind.

the other, I'd need a 14:1 clock (113 actual miles divided by 8 scale miles, from the example above). However, experience on my old HO scale Allegheny Midland and other model railroads suggested that 6:1 was about as fast as I wanted the little clock hands whirling around the dial. Experience on railroads such as Bill Darnaby's Maumee Route strongly suggested that slower ratios, no faster than 3:1 (one scale hour equals 20 minutes of real time), allowed more time for yard switching and both issuing and reading train orders. So 3:1 it was.

Adapting the timetable

The first chore was to use a stopwatch to time test runs of a few sample trains over the layout. This process



Fig. 1 Timing. Tony used a watch to time trains between towns on his HO railroad. After timing in seconds, he converted each interval to 3:1 minutes by multiplying by 3, dividing by 60, and rounding up to the nearest minute. He “padded” freight schedules, allowed extra time, for switching work and meets.

| STATIONS AND SIDINGS | | FIRST CLASS TRAINS | | SECOND CLASS TRAINS | |
|----------------------|-----------------|--------------------|----------|---------------------|----------|
| 1100 | Charleston | 10 | 10:00 AM | 90 | 10:00 AM |
| 1112 | Charleston Yard | 10 | 10:05 AM | 90 | 10:05 AM |
| 1124 | East Chicago | 10 | 10:10 AM | 90 | 10:10 AM |
| 1136 | Oakland | 10 | 10:15 AM | 90 | 10:15 AM |
| 1148 | Hamrick | 10 | 10:20 AM | 90 | 10:20 AM |
| 1160 | Cayuga | 10 | 10:25 AM | 90 | 10:25 AM |
| 1172 | Vandalburg | 10 | 10:30 AM | 90 | 10:30 AM |
| 1184 | Linden | 10 | 10:35 AM | 90 | 10:35 AM |
| 1196 | Frankfort Yard | 10 | 10:40 AM | 90 | 10:40 AM |
| 1208 | Frankfort | 10 | 10:45 AM | 90 | 10:45 AM |

Fig. 2 Timetable. Tony put the schedules he developed into timetable format following the example of his Nickel Plate Road prototype.

shown in **fig. 1**, at the top of this page. Passenger trains would lose time owing to scheduled and flag stops. I held them at each station for 1 minute 40 seconds (5 fast-time minutes at 3:1), but they're allowed higher track speeds (ranging from 59 to 65 mph as given in timetable special instructions). Fast and through freights are allowed 49 to 55 mph. The prototype timetable shows 2 hours 24 minutes (including stops) for No. 10 between Charleston and Frankfort, 2:45 for fast freight 98, and 3:55 for through freight 42, which probably ran as fast as 98 but switched a few major interchanges along the way.

My time tests showed that it takes roughly 17 actual minutes to run between the two crew terminals on my layout nonstop. For passenger trains, I multiplied the measured times between stations by 3 and then rounded them up to the nearest whole minute. For example, 45 actual seconds multiplied by 3 is 135 fast-clock seconds, or 2 minutes 15 seconds, which I rounded up to 3 minutes. So the 17 actual minutes became about 51 fast-clock minutes – almost an hour. I then added 30 minutes to the fast-freight schedules and 60 minutes for through freights to give them time to do work and make meets.

The KC Local, No. 45, was scheduled for a five-hour run, and I used its actual times at each modeled town. I doubt the actual KC Local ever made the run that quickly, and I doubt the model will either.

Speeding up the clock ratio would lengthen the run, but my sense is that would be too fast for the timetable-and-train-order operations of the Third Sub. Besides, few freights make the run nonstop. They are delayed by meets and red home signals at crossings with other railroads, and they often need to take water at Cayuga. Busy interchanges, notably with the Milwaukee Road at Humrick, Ill., and the Chicago, Indianapolis & Louisville (Monon) at Linden, Ind., require stops by passing freights to deliver and pick up cars throughout the day. Even westbound freights work busy interchanges, as the one daily local (No. 45) can't ensure that “hot” loads such as auto parts are set out or picked up in time to make important connections.

Where to start?

The truncated distances between towns meant that only one spot on the railroad could be chosen to match the prototype's times. This was an easy choice: Frankfort (Ind.) Yard, one of two critical hubs on the NKP. Here trains from four divisions were “mixed and matched” on tight schedules.

Using a photocopy of the actual document, I made a trial version of Timetable 68 for my railroad using the actual times in or out of Frankfort and adding the measured fast-clock interval between modeled stations, plus the fudge factor for freights. We tested assumptions with this while operations on the layout settled into a routine.

One question was whether to show only towns that I actually modeled in a truncated timetable, or show all towns to be more realistic. My friend Bob Hanmer listed all the towns on his prototypes but put a gray tone over those he doesn't model. I'm showing only modeled towns, figuring crews have enough mental gymnastics to cope with as it is.

After I'd adjusted the marked-up timetable, my friend Steve King set up a master Third Subdivision employee timetable using an Excel spreadsheet. I tweaked it by substituting type fonts that looked reasonably close to the Nickel Plate's. The eastbound page of the resulting Third Sub timetable is shown in **fig. 2** above. **Figure 3** on the opposite page is an example of one of the worksheets Steve used to compare prototype with model railroad times and plot the necessary adjustments.

The other three divisions

The fast-clock version of the St. Louis Division's Third Sub timetable took care of one of the four divisions radiating from Frankfort – the one I've actually modeled. Preparing timetables for the other three divisions was even easier, since each was represented only by a short stretch of mainline track between Frankfort and a hidden staging yard. The only meaningful times are for the arrivals and departures at Frankfort.

The crew members who serve as the engineers and dispatchers for all staged trains in and out of Frankfort work with photocopies of the actual NKP timetable pages for the Toledo, Sandusky, and Peoria Divisions. These serve as general guidelines only, as many trains, especially westbounds from Buffalo and Cleveland, are late by the time they get to Frankfort.

As retired NKP engineer Don Daily frequently reminds me, "The passenger trains and some of the eastbounds were close to the published times at Frankfort, but the closest westbounds were typically an hour and a half late." As a result, eastbound trains, superior by direction, were routinely ordered to take siding for late westbound symbol freights so the westbounds wouldn't lose even more time. Even first-class No. 10 was often handled this way.

A schedule is a 12-hour window of authority to run a given train (since trains more than 12 hours late lose their schedule), and reality usually didn't match the printed times. As the timetable cover stated, "The Company has the right to vary the running of trains as circumstances may require."

Re-creating reality

And therein lies the key to timetable-and-train-order operation, not simply mimicking prototype schedules. If everything ran on time and no sections or extras were required, the dispatcher and operators could spend their working hours reading magazines. But as trains fall behind and hold up opposing traffic, the dispatcher's job is to issue helping train orders to adjust the existing schedules or create new ones in an effort to keep delays to a minimum.

At the heart of this re-enactment is the employee timetable. As I've shown here, you can adapt a prototype timetable to match your model railroad's operating objectives and provide a realistic basis for train movements. **MR**

Tony Koester is an MR contributing editor, Trains of Thought columnist, and author of several books from Kalmbach Publishing Co.

Timetable worksheet

| Location | No. 10's actual time | Model running time with 5-min. station stops | 3:1 equivalent time (rounded up to nearest minute) | Model timetable time (matched at Frankfort) |
|--------------------|----------------------|--|--|---|
| Charleston (depot) | 9:25 p.m. | ---- | ---- | 10:29 p.m. |
| Charleston yard | 9:27 p.m. | 45 seconds | 3 minutes | 10:32 p.m. |
| Fair Grange | 9:32 p.m. | 75 seconds | 4 minutes | 10:36 p.m. |
| Bushton | Not shown | (not modeled) | | |
| Rardin | 9:37 p.m. | (not modeled) | | |
| Oakland | 9:43 p.m. | 160 seconds | 8 minutes | 10:44 p.m. |
| Brocton | 9:49 p.m. | (not modeled) | | |
| Melwood | 9:54 p.m. | (not modeled) | | |
| Metcalf | 9:59 p.m. | 220 seconds | 11 minutes | 10:55 p.m. |
| Mortimer | 10:04 p.m. | (not modeled) | | |
| Ridge Farm | 10:10 p.m. | (not modeled) | | |
| Humrick | 10:16 p.m. | 160 seconds | 8 minutes | 11:03 p.m. |
| Cayuga | 10:25 p.m. | 240 seconds | 12 minutes | 11:15 p.m. |
| Silverwood | 10:30 p.m. | (not modeled) | | |
| Cates | 10:38 p.m. | (not modeled) | | |
| Mackie | 10:44 p.m. | (not modeled) | | |
| Veedersburg | 10:49 p.m. | 240 seconds | 12 minutes | 11:27 p.m. |
| Mellott | 11:00 p.m. | (not modeled) | | |
| Wingate | 11:05 p.m. | (not modeled) | | |
| New Richmond | 11:11 p.m. | (not modeled) | | |
| Linden | 11:15 p.m. | 220 seconds | 11 minutes | 11:38 p.m. |
| Kirkpatrick | 11:24 p.m. | (not modeled) | | |
| Clarks Hill | 11:30 p.m. | (not modeled) | | |
| Jefferson | 11:40 p.m. | (not modeled) | | |
| WY Tower | 11:45 p.m. | 140 seconds | 7 minutes | 11:45 p.m. |
| Frankfort Yard | 11:47 p.m. | 40 seconds | 2 minutes | 11:47 p.m. |
| Frankfort | 11:49 p.m. | 40 seconds | 2 minutes | 11:49 p.m. |

Fig. 3 Adjustments. After a marked-up NKP timetable was tested over several operating sessions, Steve King created new timetable pages in an Excel spreadsheet. This worksheet shows the relationship between the actual times in NKP Timetable 68 and the running times on Tony's HO railroad.

Six steps to a prototype-based timetable

Step 1: Obtain a prototype employee timetable for the division of the railroad you model or use as a basis for freelancing. They're sold at railroadiana meets or can be obtained through railroad historical societies.

Step 2: Use a watch with a second hand or a stopwatch to time runs (in seconds) between towns on your layout. Convert these intervals to match the fast-clock ratio you plan to use, keeping in mind that it takes time to issue and check train orders.

Step 3: Pick an anchor point such as a major freight or passenger terminal where the prototype timetable's arrival and departure times will be retained.

Step 4: Adjust the published times at all other stations to match the reduced running times on your model railroad. Pad the freight schedules a bit, as the trains may have work to do en route, and it's likely they'll be running somewhat late anyway. (A train's schedule remains in effect for 12 hours at each station where time is listed; if it's more than 12 hours late at any point, it "dies" – loses its schedule – and can move only on train orders.)

Step 5: Use marked-up copies of the prototype timetable for several operating sessions to ensure that all bugs such as overly optimistic schedules have been identified and resolved.

Step 6: Use spreadsheet software to create an authentic-looking timetable schedule, and don't forget the special instructions section that supplements the book of rules. – T.K.



Building the parlor car *Calverton*

Modeling a Pullman car built for daytime first-class travelers

By John Pryke • Photos by the author

Pullman parlor cars were the daytime counterparts to the Pullman sleeping cars for first-class travelers. In the steam era, many railroads operated crack limiteds during the day that included parlor cars to provide extra-fare amenities. To meet the demand for daytime first-class services, three major railroads (the New York Central; the New York, New Haven & Hartford; and the Pennsylvania RR), used more than 550 parlor cars.

Today's modelers have more HO scale plastic heavyweight passenger cars to choose from than ever before. However, the manufacturers of these new cars have concentrated on Pullman sleepers and virtually ignored parlor cars. Only one model (a 28-seat, 1-compartment, parlor car) has been produced to date.

Yet, parlor cars can be an interesting addition to your passenger trains.



Parlor car *Tarentum*, *Calverton*'s sister car, was also assigned to PRR service. The car is shown at North Philadelphia, Pa., in October 1947. Bob's Photos

Their windows have different configurations than sleepers, and many parlors ran for more than 60 years, into the early 1970s.

I chose to convert a low-cost International Hobbies Corp. (IHC) 12-1

sleeper into the parlor car *Calverton* by using replacement window panels from New England Rail Service and detail parts from a number of specialty manufacturers. The materials list on page 84 shows what I used.



The prototype *Calverton* was owned by the Pullman Co., but painted for its normal Pennsylvania RR assignment. John Pryke's HO model carries the austere color scheme (lacking gold stripes) that was introduced in 1935 to help reduce maintenance costs.

The prototype

Calverton was built to Pullman plan 2417, and the "26-1" parlor car was delivered in December 1910. It had 26 lounge seats, a buffet, and a drawing room. A sister car, *Tarentum*, followed in 1913. Sometime later, the sheathing on both cars (which originally resembled the wood equipment of 1910) was changed to match the traditional Pullman heavyweight appearance. In the mid-1930s both cars were rebuilt with ice air conditioning and enlarged grill and buffet areas. I haven't found any good photos of *Calverton*, but did find one of *Tarentum*. In 1943, *Calverton's* buffet was further enlarged to plan 2417J, causing one of her double windows to be reduced to a single pane.

Calverton was originally owned by the Pullman Co. and assigned to operate on the Pennsylvania RR. The car was purchased by the PRR on December 31, 1945, but leased back to Pullman for operation. I modeled *Calverton* as she appeared in 1949.

Getting started

My first step was to disassemble the car, which is held together by six plastic latches. Using a flat screwdriver blade, I gently pushed a clear styrene



Fig. 1 Removing windows. A piece of plywood clamped to John's workbench supports the car side while multiple light cuts free the original windows.

tab (under one of the trucks) inward until it slipped down in the slot. Note that these clear tabs are brittle, so pushing one too far may cause it to crack or break off. Then I repeated this process with the remaining tabs and held them open with toothpicks. When they're all released, the roof lifts out.

Using a small pair of needle-nose pliers, I pinched the two halves of each truck rivet together and then pushed them down through the kingpin holes to release the trucks. I removed the wheelsets by spreading the sideframes slightly until the wheelsets dropped out. I was careful to not gouge the

bearing surfaces in the journals. I also removed the horn-hook couplers.

Replacing windows

Many of the windows in the IHC carbody need to be replaced with New England Rail Service (NERS) window panels. It's easier to cut out the original windows if you work on a hard surface, so I clamped a 12" square piece of ½" plywood to my workbench. I left about 4" of plywood extend beyond the benchtop so I could slip the body shell onto this firm cutting base. See **fig. 1**.

Figure 2 shows *Calverton's* window pattern, including the type of sash and

Fig. 2 Window spacing

Window sizes:
Red windows are
24" singles
Yellow windows are
28" singles
All others are paired
sets of 28" width

One-half HO scale

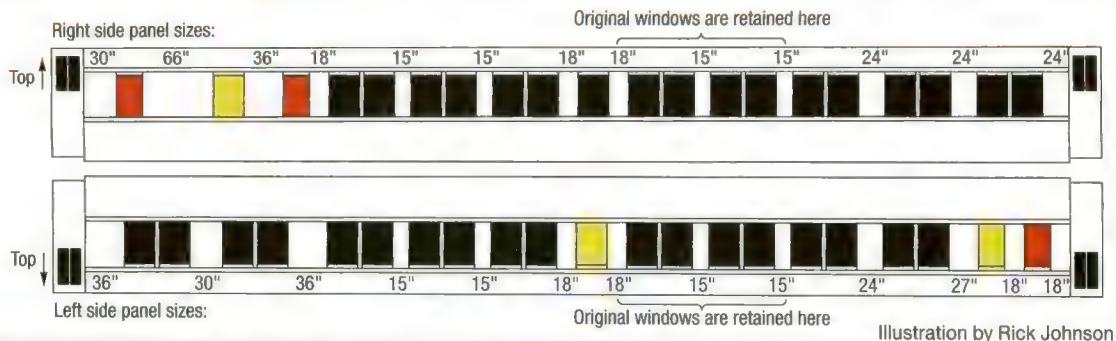


Fig. 3 Smoothing the edges. Jewelers files simplify the job of smoothing the cut edges and cleaning up the inside corners of the new window openings.

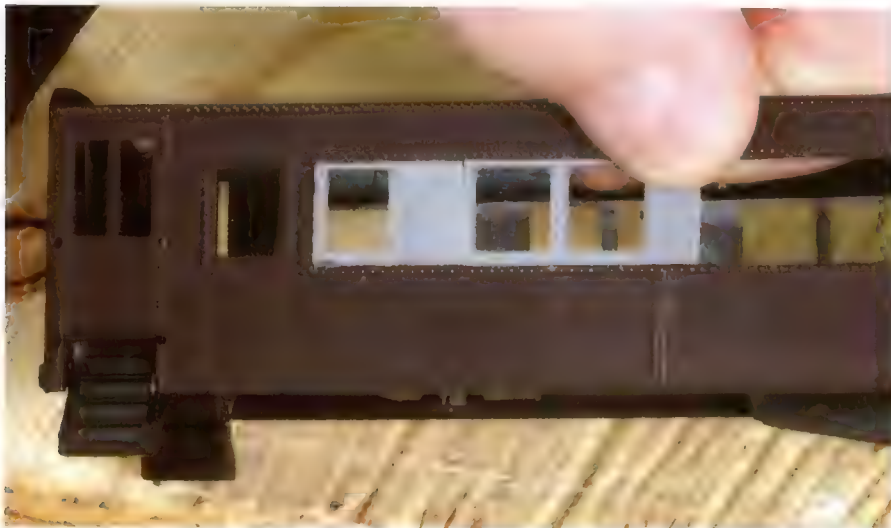


Fig. 4 Test fitting. It takes some patience and plenty of careful filing and test fitting to obtain a tight fit for the new window sections and pier panels.

the space in scale inches between the windows. Some of the car's original paired windows match the prototype, so I retained them to maintain strength in the body shell during construction.

I used a hobby knife with a fresh no. 11 blade to mark the area to be removed. I carefully scored the side below the line of rivets on the letter board, above the line of rivets on the

belt rail, and outside the vertical rivet line next to the window. See **fig. 1**.

Working slowly, I made at least three passes with the knife to obtain a deep groove. Then I switched to a no. 17 chisel blade that I inserted in the groove with the tapered side facing the material being removed. I pushed down on the blade and rocked it slightly. The blade cut right through. I worked my

way around the groove until the entire cutout was free from the side.

To clean up the opening, I filed the top, bottom, and ends until they were smooth and opened all of the corners with a square needle file, as shown in **fig. 3**. During the filing, I checked the opening regularly with a replacement window panel to make sure it fit snugly, without a visible gap between the window panel and car side. See **fig. 4**.

I installed the replacement window panels by starting from the end of the opening that had an existing window. Keep in mind that any trim cuts must be made outside of the vertical rivet lines next to the window. I always left enough material on the opposite side of the new window to fill all the space up to the next window. I then carefully filed each cut so that it was vertical.

After I had a good fit and the first replacement window panel (at the end of the car) was in place, I trimmed the adjacent window panel to fit. Then I glued both window panels from the back using Plastruct Weldene liquid cement, which has a slow setting time, but is very strong. **Figure 5** shows the completed side with all of the replacement window panels in place.

Rebuilding the underframe

The IHC body casting includes the underframe and most of the underbody details. A couple of battery boxes and two long tanks are represented, but none of them correspond to the systems used on *Calverton*. Therefore I carefully removed the original details without damaging the center sill or its body braces.

For this task, I used an abrasive cutting disk in a hand-held motor tool. Working at its lowest speed (usually 1,000 rpm), I cut into the boxes just below the lower car side. I was careful to keep the hub of the cutting disk from hitting the bottom row of rivets along the lower edge of the sides.

After trimming off the battery boxes, I made additional cuts to remove the tanks and other molded details. I then



Fig. 5 Revised windows. It's a good idea to set the revised carbody aside and allow the numerous new window-panel joints to harden overnight.

made new .020" styrene floors to cover the holes left by the various tanks and boxes. I cemented the panels to the car floor to support the new underbody components shown in **fig. 6**.

Underbody details

I cemented the new Branchline detail components to the styrene floor as shown in **fig. 7**. This car had a brake cylinder for each truck, so I mounted the Branchline part next to the double icebox, and I installed a Cal-Scale UC cylinder between the double and single iceboxes on the other side of the car.

Many early parlor cars had their air reservoirs mounted below or attached to the side of the center sill, as shown in **fig. 7**. I installed three of these tanks on .030" styrene gussets cemented to the inside of the sills flush with the bottom. I then used cyanoacrylate adhesive (CA) to cement the brass tanks to the center sill. Note that these tanks clear the railheads by only a scale foot.

To complete the underbody, I applied the rest of the details and made a pair of hand brake levers from .020" styrene. I mounted these levers near the rear of each brake cylinder with one end cemented under the side, and the other supported by a piece of .060" square styrene.

Next, I used two pieces of .019" brass wire to simulate the brake rod to each truck. When viewed from the side, all these tanks and hanging detail parts capture the realistic, cluttered appearance of the prototype.

Couplers and trucks

I fit all of my passenger cars with body-mounted Kadее no. 26 long shank couplers to get the widest swing possible. To make a mounting pad, I cut two pieces of .030" styrene: the bottom one fills the space inside the end of the center sill, while the second is cemented on top to obtain the proper coupler height.



Fig. 6 New floor. Pieces of .020" sheet styrene cover the openings that remain in the floor where the original underbody detail castings were removed.

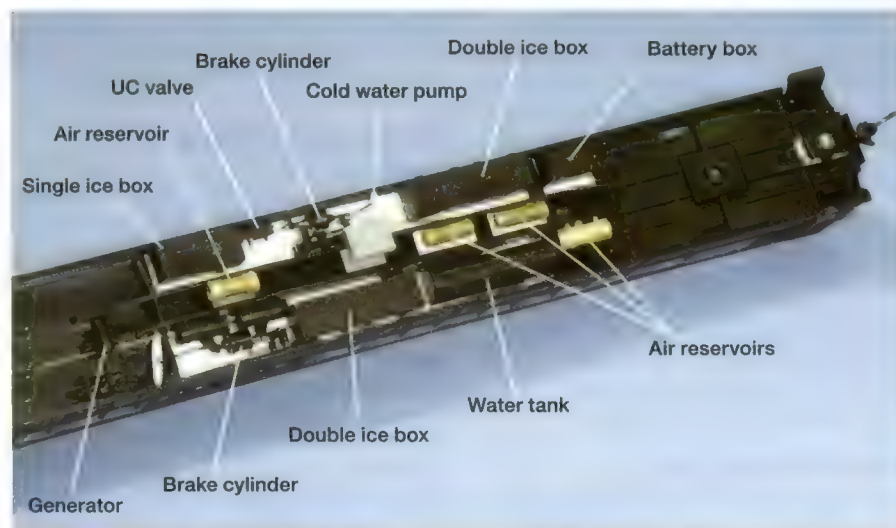


Fig. 7 Revised underbody. This parlor car's underbody details include many standard Pullman components, but the items are mounted in different locations.

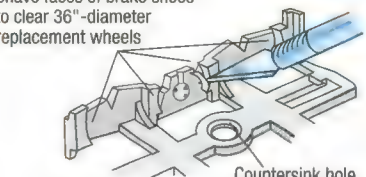
I used a no. 50 bit to drill a centered hole in each mounting pad $\frac{7}{16}$ " from the end of the carbody. Then I tapped both holes for 2-56 screws. I trimmed off the top lip and side mounting lugs from the Kadее coupler boxes before I installed the couplers on the car. After the coupler boxes were in position, I added small blocks of .060" square styrene on each side to support the air

hoses and steam lines. Cal Scale's instructions show the air and signal hoses on the left, and the steam connection on the right.

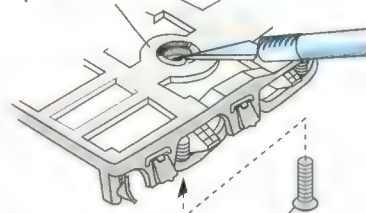
Pullman's heavyweight cars were 14 feet tall. However, I found the stock IHC car rode high on its trucks, so I lowered the car by carving off the molded raised ring around the kingpin hole in the truck. A hobby knife with a

Fig. 8 Truck modification

Shave faces of brake shoes to clear 36"-diameter replacement wheels



Carve bolster bulge from top of truck frame



Use flathead screw to clear axle of center wheel/axle replacement set
Illustration by Robert Wegner

fresh no. 11 blade worked well for this job. See **fig. 8**.

I shaved back the brake shoes, filed down the original coupler mounting brackets on the trucks, and countersunk each truck's kingpin hole.

I cemented a piece of $\frac{1}{8}$ " styrene tubing into each carbody bolster and allowed it to dry. Then I trimmed the tubing, leaving about $\frac{1}{16}$ " exposed to center the truck. Finally, I tapped it for the 2-56 truck mounting screw.

Next, I replaced the outer wheelsets with Kadee ribbed-back 36" diameter wheels, which are the correct size for heavyweight passenger trucks. I mounted the trucks with 2-56 flathead screws and then added the inner axles.

As built, this car is below the National Model Railroad Association's recommended weight of 7 ounces. I resolved this problem with a pair of $\frac{1}{2}$ " x 2" steel reinforcing straps glued side by side to the inside floor of the car with cyanoacrylate adhesive (CA). With the empty interior painted flat black, these weights cannot be seen.

Air conditioning duct

During its 1935 rebuilding, *Calverton* was fitted with an ice air conditioning system that included an air duct along the right side of the roof. This duct was 62 feet long and started above the drawing room, 13 feet from the car end. Since the Branchline duct was designed for a Rivarossi roof, I had to file down the IHC roof's Ward vents and the seams until the part fit properly. I applied thick gap-filling CA along the top and bottom edges of the duct, set it in place on the roof, and slid several elastic bands over it to hold it tightly against the roof, as shown in **fig. 9**.

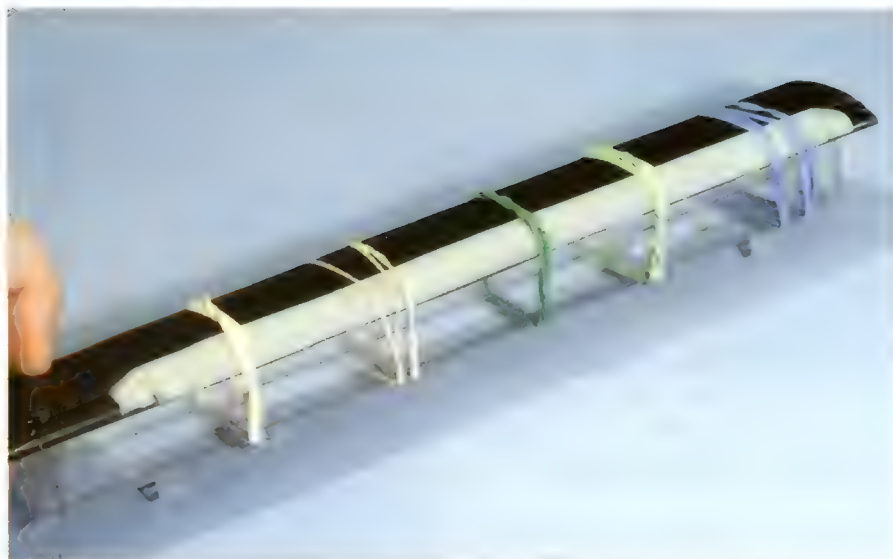


Fig. 9 Roof duct. An air duct was added to one side of the roof when the parlor car was rebuilt with an ice air conditioning system in the mid-1930s.

Note: Do not use CA accelerator on these joints, as it will fog the windows.

Diaphragms and doors

I mounted Branchline diaphragms on each end of *Calverton*. I assembled these according to the manufacturer's instructions and filed off the four small pins on the inside of each diaphragm. I attached the diaphragms with CA.

The IHC car's vestibule doors are short, so I extended them with pieces of .060" x .080" strip styrene. I also replaced the original plastic railings with hand rails made of .019" brass wire.

Painting and lettering

Since *Calverton* was regularly assigned to the Pennsylvania RR, it was painted Tuscan Red to match the PRR's other cars. My model is also painted Tuscan Red with a Grimy Black roof and underbody to represent a car painted during the mid-1930s. The standard gold 7" PULLMAN name was centered on the letter board with the $4\frac{1}{2}$ " car name centered below the windows.

After carefully masking the clear windows, I spray painted the parts and allowed them to dry overnight. My gold dry transfer lettering is Clover House set no. 7644 for the PULLMAN name and the $\frac{1}{16}$ " Craw Medium alphabet for the car name. Using my airbrush, I sprayed the lettering with a light coat of Testor's Dullcote. My final step was to add a light coat of Earth weathering on the trucks and underbody. **MR**

John Pryke is a veteran HO modeler who willingly shares his modeling techniques with others. He especially enjoys modeling the steam-to-diesel transition era of his favorite New Haven RR.

Materials list

Branchline Trains

151004 battery boxes, steam traps
151005 operating diaphragms
151114 Pullman sill and brake gear
151115 Pullman battery boxes
115116 ice air conditioning system

Cal Scale

275 air hoses

Clover House

7644 dry transfers
9603-13 dry transfers

Detail Associates

2506 .019" brass wire

Evergreen styrene

354 .060" x .080" strip
9020 .020" sheet
9030 .030" sheet

International Hobby Corp. (IHC)

Any 12-1 heavyweight sleeper

Kadee

26 long shank couplers
521 36" ribbed back wheels

New England Rail Service

200 paired windows
201 single 24" windows
202 single wide windows
250 air conditioning duct
252 cold water sump

Precision Scale Co.

31039 18" x 48" air tank
32077 16" air tank convex end
32090 16" air tank riveted end

Serving Model Railroaders Since 1934

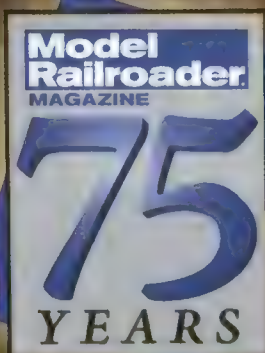
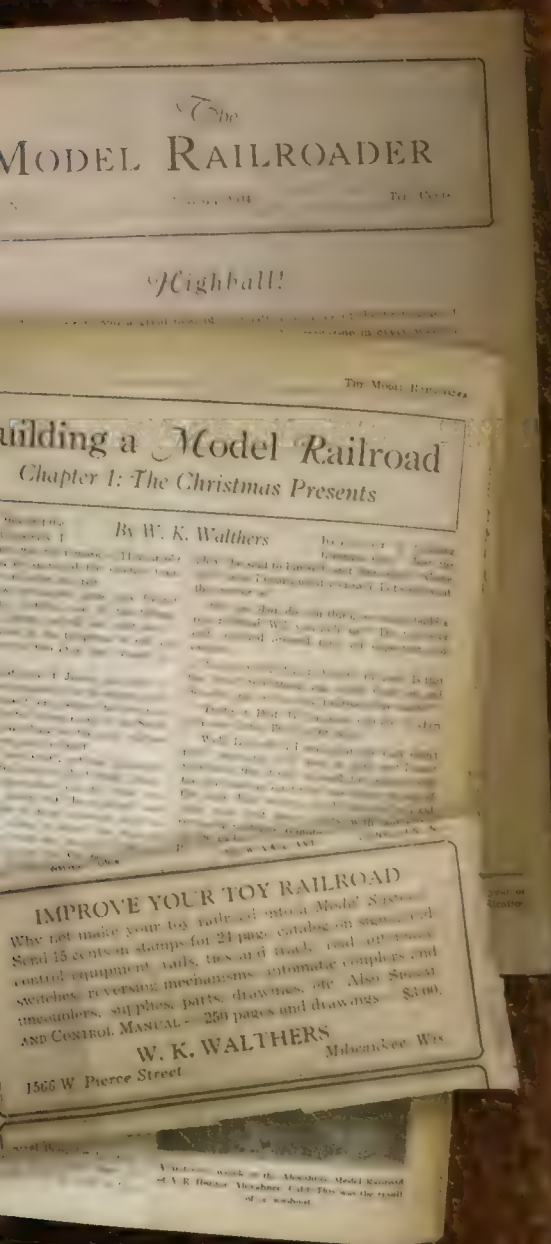
When Al Kalmbach launched his first issue of *The Model Railroader* in 1934, Bill Walthers was one of the first contributors with a how-to model railroading article.

Since then, we've witnessed 75 years of innovation in the industry and watched *Model Railroader* evolve from a 12-page black-and-white publication to a full-color magazine of over 100 pages.

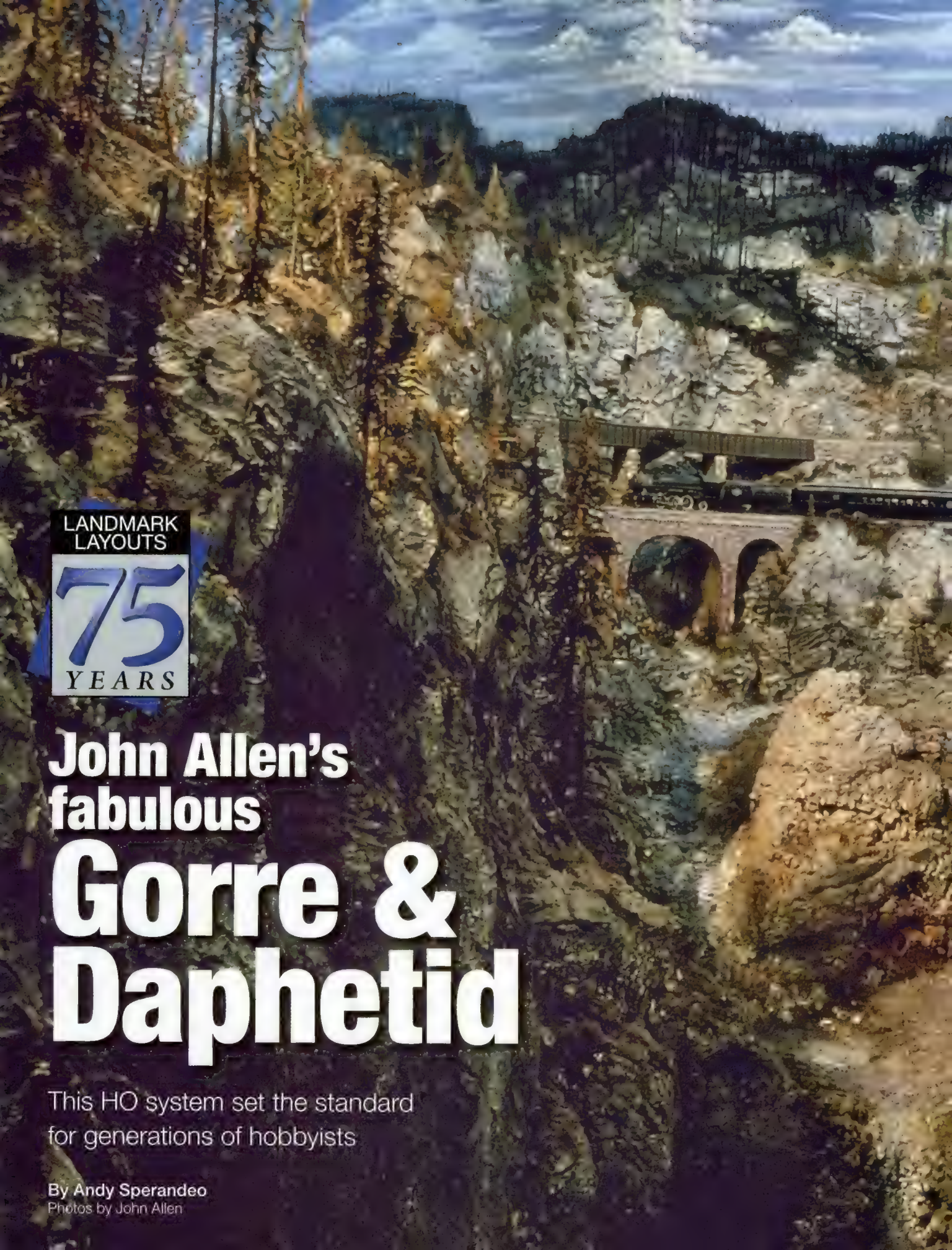
This tremendous growth hasn't changed what *Model Railroader* does best – continue to offer great ideas and expert advice, inspiring model railroaders to dream it, plan it and build it.

Thank you, *Model Railroader*, for your service to model railroaders! Our heartiest congratulations on your 75th Anniversary.

From your friends at Walthers.



WALTHERS™



LANDMARK
LAYOUTS

75
YEARS

**John Allen's
fabulous
Gorre &
Daphetid**

This HO system set the standard
for generations of hobbyists

By Andy Sperandeo
Photos by John Allen



From the late 1940s to the 1970s, John Allen's HO Gorre & Daphetid RR represented the finest model railroading had to offer for large numbers of hobbyists. While known for its dramatic floor-to-ceiling scenery, the G-D Line really came to life at the weekly operating sessions John hosted for small groups of friends.



After so many years I can still recall the excitement of readers in the 1950s and 1960s whenever *Model Railroader* carried new photographs of John Allen's HO scale Gorre & Daphetid RR. It seemed fabulous and beyond the expectations of most of us. Yet there were many important ways we could connect with what John was doing.

A familiar path

For one thing, his layout building followed a path familiar to many. Like most of us, John had started with a small layout, first shown in MR in January 1948, that let him test his interests and develop his skills.

Once deeply involved in model railroading, he moved up to a larger venue for his G-D Line, a 6'-6" x 20'-6" layout with a small extension across a doorway for the terminal of a narrow gauge feeder line, the Devil's Gulch & Helen-gon. This second Gorre & Daphetid was featured in the March 1951 MR.

In 1953 he bought a larger home on a hillside above Monterey, Calif. The sloping lot required that rarity of Golden State construction, a basement. It would

be the home of the third and final G-D Line. That was John's best-known, most developed (although never completed) model railroad, and is the layout celebrated in this article.

The new G-D Line was begun in 1954 and introduced to MR readers in a March 1956 article featuring photos of the layout under construction. We had to wait until the March 1963 issue, however, for John's article, "Concept and planning of the Gorre & Daphetid," to reveal the track plan of his ultimate model railroad.

By the way, the Gorre & Daphetid name is a pun. John pronounced it "gory and defeated" to describe how the railroad was doing in its ongoing battle with the Akinbak ("achin' back") Mountains. Later John felt that the pun had grown tiresome, the usual fate of oft-repeated jokes, but by then he was so closely associated with the name that he felt he was stuck with it.

Sharing the fun

John was a professional photographer whose first interest in model railroading was photographing miniature trains. He could readily provide the

Great Divide, with the railroad's largest freight yard and passenger terminal, was the operating hub of the G-D Line. That's fast freight No. 35 from Port arriving through the Cutoff Tunnel at the right while a Consolidation switches in the yard.

photo illustration essential to any magazine article. John contributed stories to MR, *Railroad Model Craftsman*, the old *HO Monthly*, and the National Model Railroad Association *Bulletin*, sharing ideas and how-to techniques. His two-part article on aging and weathering cars and locomotives in the December 1955 and January 1956 issues of MR was a landmark in itself, and did a lot to popularize what's now seen as a basic element of realistic modeling.

► Landmark layout at a glance

Name: Gorre & Daphetid RR
Scale: HO (1:87.1)
Size: 27'-0" x 32'-6"
Builder: John Allen
First in MR: March 1963



John's favorite job in operating sessions was the Gorre switcher, working the yard here and the branch line to Daphetid behind it that came from his original 3'-7" x 6'-8" G-D layout. It first appeared in the January 1948 *Model Railroader*.

As he had more leisure time, he traveled to national and regional NMRA conventions, and often gave presentations on various subjects illustrated with his own slides. I got to see two of his talks at NMRA Lone Star Region meets, one on model railroad photography and another on designing multi-level layouts.

When he gave the latter presentation it was before such layouts had been seen in any hobby publication. I'll admit that in those days it went right over my head, and that's not a pun.

Although most readers and audiences looked up to him as "the Wizard of Monterey," John's personal attitude was always modest. Long-term commitment and attention to overall effect made his modeling stand out, but he gladly shared his methods, and sincerely thought all who applied themselves could achieve similar results.



John detailed and weathered his locomotives to give Gorre & Daphetid power a distinctive look. In operation, each engine had a role to play. Mallet no. 35 helped long freight drags on the main line's 4 percent grades, while Mikado 42 and Berkshire 45 were assigned to fast freights limited to the tonnage a single engine could handle. Shays like no. 7 mostly worked as switch engines.



Running the railroad

Longtime MR editor Linn Westcott wrote in his book on John, *Model Railroading with John Allen*, that operation was just as important to the builder of the G-D Line as his railroad's appearance. This aspect of the Gorre & Daphetid tends to be under-appreciated, as most magazine readers never got to see the railroad actually running, but could appreciate the breathtaking scenic vistas depicted in John's photos. Nevertheless, as he began operating the third G-D Line regularly in the 1960s, John also began to publish more on operational topics.

I was fortunate to have the chance to visit John during the 1969 Christmas season. Being a fan of operation myself, I recognized the signs that the G-D Line was a working railroad. These included timetables, train blocking diagrams, tonnage rating charts for locomotives, and the color-coded tabs John used to control freight car movements in a manner similar to later four-step waybill cards. Perhaps it's my own bias, but he seemed to have a lot more to say about running the railroad than about building its scenery and structures.

Shortly thereafter, thanks to the United States Army, I found myself back in the Monterey area at Fort Ord. John was very generous toward model

When MR's Andy Sperandio operated the G-D Line, his assignment was always one of the two switch engines that worked the river terminal at Port. Here Consolidation 26, today's West Port Switcher, noses past the car ferry *Anabel* to spot a couple of loaded cars on the wharf track.

railroaders in the service, and I was allowed to join the G-D Line's operating crew for a bit over a year in 1970 and '71. I got to see firsthand how the layout's magnificent setting contributed to the fun of operation, and also how the railroad at work made the scenic surroundings even more meaningful.

In action

For one thing, those mountains not only looked dramatic, but trains had to overcome 4 percent grades to cross them. Every train had to be made up with respect to the tonnage capacity of the assigned engine or engines. What's more, setouts and pickup along the way had to be carefully judged to keep trains within the rating of their power.

At Port, the river terminal where I worked, we had to estimate the tonnage of westward through trains hours (by the fast clock) before their departure, so the Great Divide roundhouse would send a big enough locomotive, or two, on the eastward run. If we



guessed wrong and had more cars to move than the engines could take, those cars had to wait on our already crowded yard tracks for the next train.

The situation was different with freights that ran from Port to Andrews, over the unfinished section of main line that then operated as a branch. Lighter traffic on that line allowed overloaded trains to double the hill, by cutting the consist in two and making two trips to get all the cars to the top. But to keep the cut left behind from tying up tracks



at Port, we in the yard crew were glad to push heavy Andrews trains out of town with a switch engine.

John was happy to host operating sessions every Tuesday night. By the time I knew him he had retired from commercial photography, so he could work on layout construction and maintenance more or less continuously when he wasn't traveling. Operation was what he had built the railroad to do, however, and seeing it in action energized him as a builder.

Lasting inspiration

When John died on January 6, 1973, the Gorre & Daphetid was still unfinished. He had at last installed the two highest bridges across Squawbottom Creek and Devil's Gulch, and he was working to complete the main line between Great Divide and Angels Camp. He told Linn Westcott that the golden spike might be driven in April or May of '73. Though that never happened, the G-D Line remains an inspiration for generations of hobbyists. **MR**

Gorre & Daphetid passenger schedules were tight for their mountain route. Here Pacific 56 leads train 4's streamlined consist while her engineer keeps one eye on the fast clock.

More on our Web site

See track plans for all three versions of the Gorre & Daphetid, hear a recording of John Allen talking about operating his railroad, and watch a video of author Andy Sperandio recounting a story about G-D Line operating sessions at www.ModelRailroader.com



This weather-beaten covered hopper waits on a siding on Pelle Søbørg's HO scale layout. Follow along as Pelle shows you his simple techniques for adding rust and grime to rolling stock models.

1-hour weathering

Airbrushing paints and applying pastel powders yields realistic rolling stock

By Pelle Søbørg • Photos by the author

Weathered rolling stock is key to making a model railroad look realistic. However, I don't want to spend countless hours weathering a single freight car before it hits the rails. So, I've developed a simple process that uses a combination of airbrushing and applying powdered pastels that yields great results in an hour or less.

For any weathering project it's a good idea to study a specific prototype. This will help you see how the wear and tear of nature affects a particular piece of equipment.

Paint and lettering fade the longer a car is exposed to the elements. Rust typically develops at the joints between parts and along welding seams on the body panels of steel equipment. Spots

of rust develop where paint has been chipped away, exposing bare metal.

Car roofs and sides are covered by some amount of dirt or dust. Rain will wash grime and rust down a car's sides, leaving streaks.

A car's wheels, trucks, and under-frame parts are darker, since those parts are covered by a heavier layer of grime than the roof or car sides.

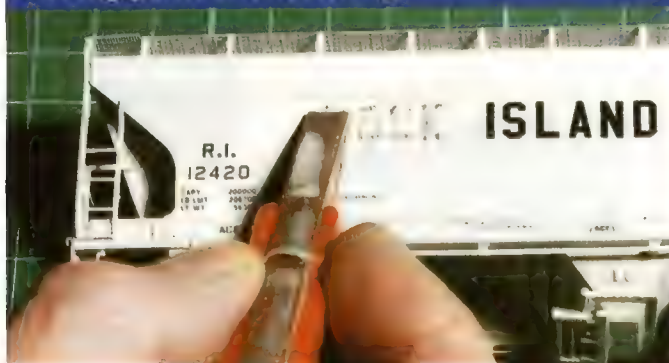
Keep in mind that the weathering on a two-year-old car looks a lot different than a 20-year-old car. For a realistic freight car and locomotive fleet it's important not to weather every piece of rolling stock to the same degree.

In this article I'll demonstrate my weathering techniques on an Athearn HO cement hopper for my modern-era

Union Pacific layout. I heavily weathered the model to represent an old "fallen flag" Rock Island car still in service on the UP. You can tone down any of the effects to model a newer car with a lighter amount of weathering. The process works just as well on other types of equipment. [See "Weathering a diesel locomotive" on page 94. – Ed.] Now let's get started. **MR**

Pelle Søbørg lives in Denmark and is a frequent contributor to Model Railroader. His recent book Mountain to Desert: Building the HO scale Daneville and Donner River highlights his modern-era Union Pacific layout. For more information on this title visit www.ModelRailroaderBooks.com.

Fading paint and lettering



Pelle lightly rubs a sanding stick across all the lettering on the hopper. This makes the lettering look faded from the sun. He's careful not to completely erase the lettering.



After removing the trucks and couplers, Pelle airbrushes the car with thin coats of Model Master Light Gray and Sand enamels. This tones down the car's plastic sheen.

First I add some age to the car by removing the glossy shine of the new model and making the lettering look faded. For this step I use Model Master Sand and Model Master Light Gray thinned to a ratio of 20 percent paint to 80 percent thinner. I use these two flat neutral colors for almost all of my weathering projects.

I prefer Model Master enamels rather than acrylics for airbrush-weathering. The thinned enamels dry to a smooth finish, while I've found that thinned acrylics give the model a spotted finish.

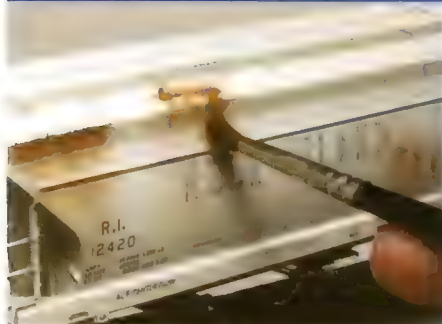
Because I want this hopper to look particularly old, before using paints I first lightly rub a sanding stick over all the

lettering. When using this technique, be careful not to apply too much pressure or you'll completely erase the lettering.

Before I begin painting, I remove the trucks and couplers from the model. I'll weather the trucks separately. I also don't want to get any stray paint on the coupler spring, which could hinder its operation.

Next, I airbrush a few light coats of thinned Model Master Light Gray followed by a few more coats of thinned Model Master Sand. Along with fading the lettering and removing the plastic sheen of the model, the paint adds some "tooth" to the model's surface. This will help during the next step when I apply powdered pastels.

Adding rust and grime



For heavy rust spots, Pelle dabs pastel powder onto areas where he's brushed on clear varnish, which acts as an adhesive. When dry these spots have a realistic rough texture.



After applying rust-colored pastel powders, Pelle uses brown and black pastel powders to simulate grime. He uses vertical strokes to make streaks down the hopper's sides.



Pelle airbrushes the car with thinned Model Master Dark Skin Tone to simulate even more dirt. He applies a few light coats along the bottom of the car body and underframe.

I mainly use rust, brown, and black pastels to weather my rolling stock. Several modeling manufacturers sell pastel powders, often called weathering powders. You can also make your own by scraping a hobby knife down an artist's pastel stick, forming a powder.

On my hopper I add heavy rust spots along the roof seam and car sides. I apply Vallejo Flat Clear Varnish where I want to add rust. [See www.acrylicosvallejo.com for information on Vallejo products. – Ed.] Then I use a soft-bristled brush to dab rust pastel powder into the wet varnish. After the varnish dries the spot has the rough texture of a heavy build up of rust.

Next, I add the effect of rain washing rust down the sides of the car. Using a soft-bristled brush I apply rust-colored pastel to a dried rust spot and use vertical strokes to make streaks. I dust brown and black pastel powder on the roof.

When I'm satisfied with the amount of rust on the hopper, I mix brown and black pastels together to simulate dirt and grime. Using a wide soft-bristled brush, I apply the mixture over the entire car. I use vertical strokes from the roof to the bottom sill to simulate how rain leaves streaks of grime down the prototype car sides.

On a real freight car, more dirt tends to accumulate on the lower portions of car body. My favorite color for simulating dirt on my freight cars is Model Master Dark Skin Tone. I thin the paint to a ratio of 20 percent paint to 80 percent thinner. I airbrush several light coats over the bottom of the car sides.

Then I apply a light mist of Vallejo Flat Clear acrylic over the entire model. The Vallejo acrylic dries to a satin finish that I prefer to the flat finish of other clear matte sealers. Within 15 minutes the model is safe to handle.

Trucks and wheels

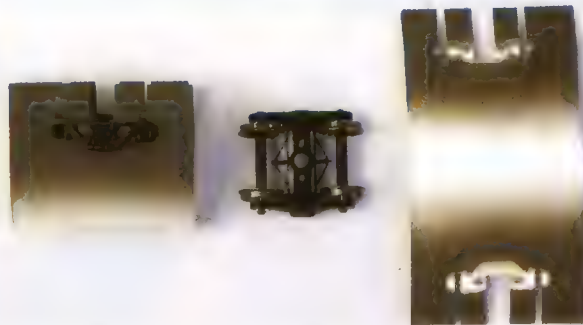


Rust-colored pastel powders on top of Model Master Dark Skin Tone make the wheels look like the real thing.

I find it's easier to weather trucks and wheels if they're removed from the model. I didn't weather the couplers on the hopper. You could brush-paint them, but be careful not to get paint on the couplers' springs.

To make painting the truck sideframes easier, I make a jig out of two pieces of .010" plain styrene sheet. First I mark the axle and bolster widths on the styrene. Using the marks as a guide I cut out 1"-deep slots in the styrene with my hobby knife.

The axles and bolster fit into the slots, giving me a hands-free stand for airbrushing the trucks. The styrene masks the wheel faces, which I weather separately. This jig is also useful if you have trucks that are difficult to disassemble.

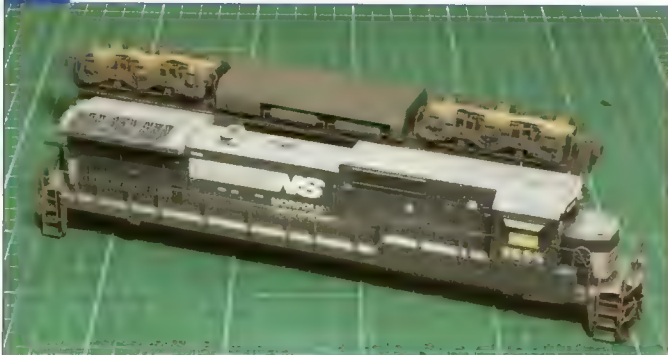


Pelle made his own sheet-styrene jigs for airbrushing the truck side frames. The jigs also mask the wheels.

I brush-paint each wheel face with Model Master Dark Skin Tone enamel. Using a different soft-bristled brush, I apply rust-colored pastel powder to the wheel while the paint is still wet. The powder sticks to the wet paint, and since the wheel face will be protected by the truck sideframe, I don't bother to seal the powder with a clear finish.

Once the paint dries I put the wheels back into the trucks and then reinstall the couplers and trucks on the hopper. I touch up any weathering as needed. After a quick check of the car's wheel gauge and coupler height to make sure it was reassembled correctly, my grimy fallen-flag cement hopper is ready for service.

Weathering a diesel locomotive



Masking power pickups and headlights, windows, and other detail parts makes weathering diesels a bit more time-consuming than a freight car project.

Many of the techniques that I use to weather freight car models also work well on diesels, such as my Atlas HO Norfolk Southern Dash 8-40C. I remove the shell from the frame because I plan to add a sound system. This step isn't necessary if you only want to weather the diesel.

First, I cover the windows, number boards, and ditch lights with masking tape trimmed to fit. For the headlights I use Humbrol Maskol, which is a liquid rubber mask that's applied with a brush.

After flipping the frame over I removed the locomotive's wheels, which was easier than masking them. I covered the motor and any of the exposed drive mechanism with masking tape. It's important to make sure that all the power pickups are completely covered.



As with his freight car models, Pelle weathered this Atlas HO scale Dash 8-40C diesel locomotive using a combination of paints and pastel powders.

As with the hopper, I airbrush a few light coats of thinned Model Master Light Gray followed by Model Master Sand across the body to fade the paint and lettering. I applied extra coats to the roof and tops of the walkways.

Next, I airbrush several light coats of thinned Model Master Dark Skin Tone across the trucks, fuel tank, and frame. I also apply a few coats on the pilots and lower sill.

Then I use a soft-bristled brush to apply black pastel powder around the exhaust stack and roof to simulate soot. The trucks and fuel tank also received a light dusting of rust-colored pastel powder.

I seal the pastels with a light mist of Vallejo Flat Clear Acrylic. Once it's reassembled, my new Atlas model will look like a diesel that's seen years of service. – P.S.

Show Schedule

World's Greatest Hobby on Tour

Over 450,000 have attended!

The show visits each city only once every 5-10 years so don't miss it when it's in your area!



Show Hours: Saturday 10:00am - 6:00pm
Sunday 10:00am - 5:00pm

Admission: \$10.00 Adults
Kids under 16 are FREE

For more information Contact:

World's Greatest Hobby on Tour

PO Box 11, Elmhurst, IL 60126

Phone: 630-279-5094

wghshow.com

The model railroad industry is proud to announce the return of the World's Greatest Hobby on Tour, a train show designed to showcase model railroading. The show is exciting for model railroaders and fun for the whole family. It features:

- Huge operating model railroads
- 300 booths of manufacturers and retailers
- Over 100 trains for kids to operate
- Demos, seminars, and new products
- and much much more!

Supporting Manufacturers



WALTHERS

KALMBACH PUBLISHING CO.

Dates & Locations

Philadelphia

January 3-4, 2009

Greater Philadelphia Expo Center
422 Business Center • Oaks, Pennsylvania

Nashville

February 14-15, 2009

Nashville Convention Center

601 Commerce Street • Nashville, Tennessee

San Antonio

February 21-22, 2009

Henry B. Gonzalez Conv. Center

200 E. Market Street • San Antonio, Texas

Cleveland

March 14-15, 2009

IX Center

One IX Center Drive • Cleveland, Ohio

The Great Train Expo

GTE expo.com

CALIFORNIA

November 29 & 30, 2008

Alameda County Fairgrounds, Pleasanton

December 6 & 7, 2008

County Fairgrounds/Seaside Park, Ventura

December 13 & 14, 2008

Del Mar Fairgrounds, Del Mar

January 3 & 4, 2009

Anaheim Convention Center, Anaheim

January 10 & 11, 2009

Cal Expo, Sacramento

GEORGIA

November 22 & 23, 2008

North Atlanta Trade Center, Norcross

ILLINOIS

November 29 & 30, 2008

Gateway Center, Collinsville

INDIANA

January 3 & 4, 2009

Indiana State Fairgrounds, Indianapolis

MINNESOTA

December 27 & 28, 2008

Canterbury Park, Shakopee

MISSOURI

January 24 & 25, 2009

American Royal Complex, Kansas City

OHIO

December 6 & 7, 2008

John S. Knight Center, Akron

KENTUCKY

January 17 & 18, 2009

Ky. Intl. Convention Center, Louisville

TENNESSEE

January 10 & 11, 2009

Nash. Municipal Auditorium, Nashville

- Operating layouts on display
 - 200-500 Tables
 - Huge selection
 - How-to hobby clinics
 - Free admission for kids
- Saturday & Sunday, 10am to 4pm
Adults \$7, (good for both days) Kids Under 12 Free
PO Box 725, Oswego, IL 60543
Phone: 630-608-4988



GREENBERG TRAIN SHOWS ...since 1976

MARYLAND - TIMONIUM

MARYLAND STATE FAIR - Dec. 6 & 7, 2008

MASSACHUSETTS - WILMINGTON

SHRINERS AUDITORIUM - Nov. 22 & 23, 2008

SHRINERS AUDITORIUM - Mar. 28 & 29, 2009

NEW HAMPSHIRE - MANCHESTER

THE CENTER OF
NEW HAMPSHIRE
January 17 & 18, 2009

NEW JERSEY - EDISON

NJ EXPO CENTER - November 29 & 30, 2008

NJ EXPO CENTER - March 14 & 15, 2009

NEW JERSEY - SOMERSET

GARDEN STATE EXHIBIT CTR - Jan. 3 & 4, 2009

NEW YORK - MIDDLETOWN

ORANGE COUNTY FAIRGROUNDS
February 14 & 15, 2009 **NEW SHOW!**

NEW YORK - ROCHESTER

DOMES CENTER - Feb. 21 & 22, 2009

PENNSYLVANIA - GREENSBURG

WESTMORELAND MALL EVENT CENTER
February 7 & 8, 2009 **NEW SHOW!**

PENNSYLVANIA - PHILADELPHIA

VALLEY FORGE CON. CTR., KING OF PRUSSIA
December 13 & 14, 2008 **NEW VENUE!**

PENNSYLVANIA - YORK

YORK EXPO CENTER - Jan. 10 & 11, 2009

VIRGINIA - CHANTILLY

DULLES EXPO CENTER - Dec. 27 & 28, 2008



America's Best Train Show

Saturday & Sunday: 10:00am to 4:00pm
Admission: Adults - \$7.00 (good for both days)

Kids 11 & Under Are FREE

Online: GreenbergShows.com

P.O. Box 34, Elmhurst, IL 60126

Ph. 630-279-4087 Fax 240-597-4482

Get Top Dollar by Selling Excess Pieces of Your Collection at the Shows! Selling Tables Are Still Available at Most Shows; Collectors and Individuals Welcome! Call for Details!

VIRGINIA - FREDERICKSBURG

FRED. EXPO CENTER - MAR. 21 & 22, 2009

VIRGINIA - VIRGINIA BEACH

CONV. CTR - Feb. 28 & Mar. 1, 2009

CHICAGO Great Midwest Train Show

Selling Space is Available

Contact Us Today.

PO Box 34 • Elmhurst, IL 60126 • Phone: 630-290-1962

Discount coupon and show details online:

GreatMidwestTrainShow.com

Upcoming Show Dates:

Dec 14 • Jan 11 • Feb 8 • Mar 8

Apr 5 • May 3 • Jun 14 • Aug 9

World's LARGEST monthly train show
DuPage County Fairgrounds, Wheaton, IL
9:30 am to 3:00 pm • Adults \$7 • Kids FREE!

★ ★ In Five Buildings!!! ★ ★



Modeling roads with decals

Computers transfer textures from street to layout

By Lance Mindheim • Photos by the author

Paint is the usual method for applying color to a model. But patterned or textured surfaces such as brick walls, cinder-block foundations, and roadways can be challenging to represent with paint.

Fortunately, if the surface is relatively flat, another technique is viable. Digital photography, easy-to-use photo-editing software, and low-cost printers can create photo decals to represent these textures. John Nehrich explained this in his article "Brick wall decals" in the December 2001 *Model Railroader*.

Roads are some of the more difficult layout features to model realistically. Over time, streets weather into a complex patchwork of shades, cracks, and patterns, as seen in **fig. 1**. As roads age and utility crews repair them, the color combinations become even more challenging to model.

John's technique of combining photography and decals is ideal for streets. Follow along as I take images of a typical neighborhood street and show you how I transform them into photo decals ready to apply on a layout.

Take the photo

The first step, and probably the most challenging, is getting photos of roadways. There aren't that many locations where you can take a photo at a true

overhead angle. Fortunately, with the perspective-correcting feature of photo-editing software, you don't need to rent that cherry-picker. Any location several stories up with a clear view of the street will do. I found some of the best vantage points for taking overhead photos to be parking garages and pedestrian overpasses such as those found at shopping malls, hotels, or convention centers. (If your chosen vantage point isn't public property, be sure to get permission. — Ed.)

Once you've found a good location, orient yourself as squarely as possible with the street below and take the photo. Frame your shot so there are no shadows from trees or nearby buildings. **Figure 2** is a photo I took from the roof of a parking garage. Also take supplemental photos of any interesting patches, grates, or manhole covers you may see, like those in **fig. 3**.

Edit the photo

After you've taken your photo, it's time to head to your computer. Don't worry, this isn't as hard as you think. We're only going to do a few simple things to the photo: crop out the excess, remove the perspective distortion, and possibly add some manhole covers.

First, open your photo of the street in your photo-editing program, and

Surfaces with complicated textures and colors, like roads, can be difficult to reproduce convincingly on a layout. Lance Mindheim used a digital camera, photo-editing software, and blank decal paper to transfer images of real roads to streets on his layout.

remove anything that's not part of the street itself. Chances are you weren't able to get a photo from directly overhead, and there will be some perspective distortion – that is, the far side of the street will appear smaller.

Many image-editing programs have an easy-to-use tool that allows you to correct for this distortion. (In Adobe Photoshop or Photoshop Elements, it's a function of the Crop tool.) When you open the software's perspective correction tool, four darts or boxes will appear on the screen. Drag a dart to each corner of the area you want to correct, then hit enter. See **fig. 4**. The software will then stretch the image to arrange each of the four corners in a perfect rectangle, as if you were viewing it directly from above. If you were reasonably high up when you took the picture, the perspective correction will give you a good image to work with.

After some experimenting, I found that decal lengths in the 6" to 8" range are easiest to use. Too long is awkward to handle; too short, and you need too many pieces. If your picture is short, copy and paste several together to make a longer one. With a little touch-up in your editing software, it won't be that apparent. Copy smaller, irregular sections to disguise any obvious joints or duplicated distinctive features.

An interesting touch is to copy manhole covers from other photos (after you correct perspective on them, of course) and paste them onto your master street photo. **Figure 5** on the next page shows a section of road on which I did this. On real streets, you often find several manhole covers together, sometimes of different ages and styles, so don't worry about making them look neat and uniform. Real streets aren't.

Size and print the decal

The next step is to print your photo to scale on the decal paper. Decal film comes in both clear and white. You'll get much better results if you use white; if you use clear, the resulting image will be too translucent.

I applied my finished decals to styrene HO scale asphalt street sections from Walthers. Any hard plastic surface will work, such as a sheet of .060" styrene cut to the appropriate width. I prefer the Walthers asphalt streets because they have a slight crown to them, and just a hint of texture.

The Walthers road sections are 2³/₄" wide. To give myself a little margin to work with, I set the print options on my image so it would print out at a slightly larger 2⁷/₈" wide. I also set the printer for glossy photo paper, then used a sharp blade to trim the printed section from the page.

Protect the decal

Left untreated, the printer ink will dissolve as soon as the decal is immersed in water. To prevent that, the sheet must be coated with a clear waterproof protectant. Reading the decal manufacturer's directions is critical, as this is probably the most important step in the whole process.

I first tried Krylon Crystal Coat. I followed the directions on the Crystal Coat and applied three coats a few minutes apart. But I still had some problems with the ink running. I added a spray of Testors Dullcote after the Crystal Coat dried, and that helped considerably. I also found that using Dullcote alone worked.

Even if you're careful, it's likely some of your decals will still run when put in water. Simply make more than you need and pick the best. You can see some of my finished decals in **fig. 6**.

Apply the decal and seal

Working with inkjet-printed custom decals is a little trickier than what you might be used to with commercially screen-printed decals. Practice first by applying smaller decals to a scrap piece of plastic.



Fig. 1 Patchwork pavement. Years of weather, use, and repairs transform roads into a crazy quilt of different colors and textures, as seen in this photo of a Miami industrial district. No two potholes, cracks, or patches are alike.



Fig. 2 The prototype. Lance shot this photo of a side street from the top floor of a nearby parking garage. The higher above the road you can get to shoot your picture, the better you'll be able to capture detail.



Fig. 3 File for the future. While photographing the road base for your project, also take pictures of any manhole covers, grates, potholes, and details you see. These can be edited into your streets to add variety and interest.

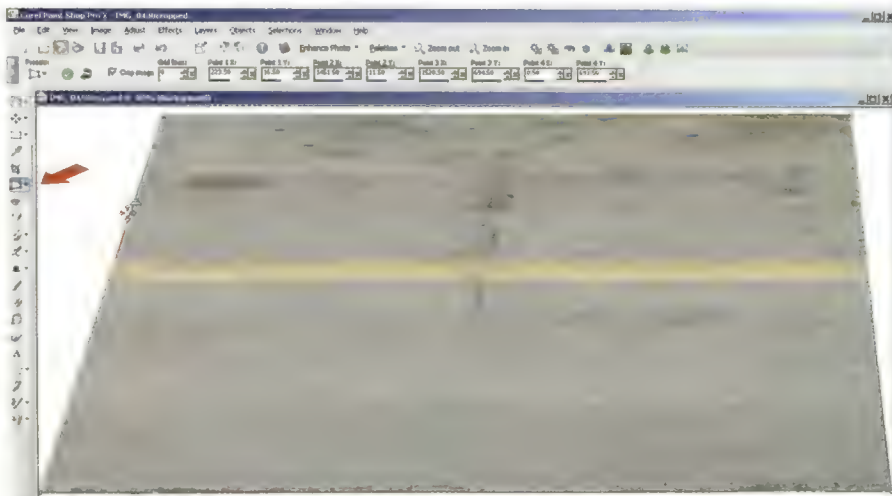


Fig. 4 Take a different angle. Many photo-editing programs have a tool that lets you adjust for perspective. Place the four boxes on the corners of the street, and the program will stretch the image to correct the distortion.

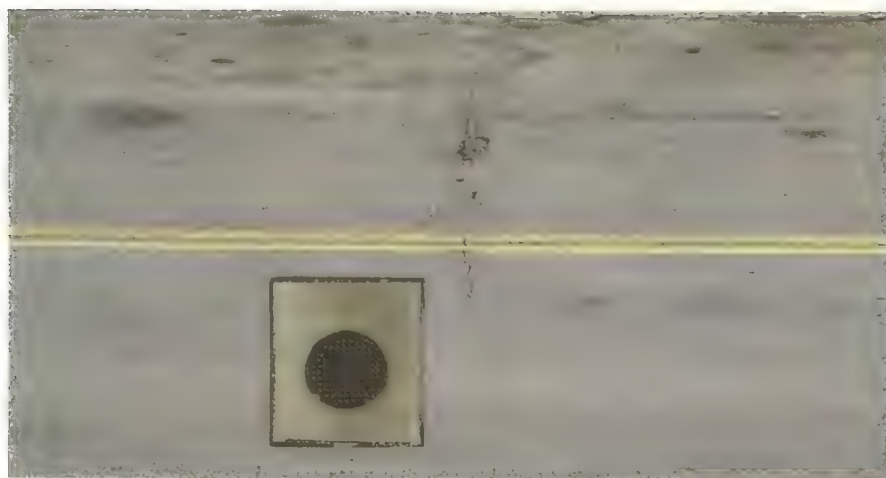


Fig. 5. It's in the details. Here's the road section seen in fig. 2 after cropping the image and correcting perspective distortion. I added a manhole cover (also perspective-corrected) that I copied from another picture.



Fig. 6. Ready to apply. After I cut out the decals and protected them with a clear matte overspray, they're ready to be applied to a segment of Walther's asphalt street system. This will make them durable enough to put on the layout.

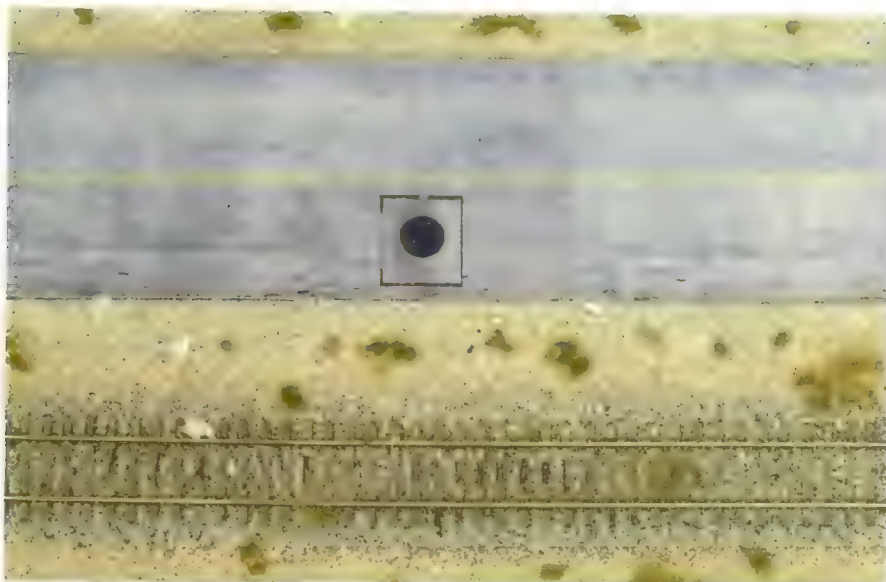


Fig. 7. The finished product. After Lance's decal roadway is glued to the layout and gravel shoulders, foliage, and litter are added, it's ready for traffic.

Parts List

BelDecal 10W white inkjet decal paper
Krylon 1303 Crystal Clear acrylic spray
Walther's 933-3194 asphalt street system
Microscale 104 Micro Set decal setting solution
Testors 1260 Dullcote
Photo-editing software with perspective correction tool

Place your decal in a pan of water for a few minutes to loosen it from the backing paper. The directions say to wait one minute, but my decals seemed to take a bit longer.

While the decal is soaking, lightly brush a thin application of Micro Set on the road surface. After the decal begins to loosen from its backing, slide it onto the street surface. Use a soft brush dampened with water if you need to push it around or straighten any wrinkles. Once the decal is in place, press it down gently but firmly with a folded T-shirt or similar clean, soft cloth. You may see some curling around the edges of the decal. Gently flow more Micro Set around the edges with a small brush and work the curls out by pressing lightly with your cloth.

Mount on the layout

After allowing the decal to dry overnight, give it one more spray of Dullcote and you're ready to mount it on the layout. Place the street on the layout and secure it in place with white glue. The surrounding scenery will provide most of the adhesion. For road shoulders, I use N scale ballast. Add some weeds and a bit of roadside trash and you now have a realistically colored and detailed street, as seen in **fig. 7**.

Homemade decals aren't as forgiving or predictable to work with as the commercial products you may be used to. However, if you're willing to experiment, make extras to compensate for imperfections, and be patient, you can model streets more realistically than you could by most other means. **MR**

Lance Mindheim is a frequent contributor who lives in Silver Spring, Md., with his wife, Cathy, and son, Zachary. He builds custom layouts as owner of The Shelf Layouts Co. (shelflayouts.com). His Miami-based HO scale CSX East Rail layout appeared in Great Model Railroads 2008, and his N scale Monon layout appears in GMR 2009.

Clearwater, Florida
Serving
Tampa - St. Pete - Florida
USA - Canada - Europe - World Wide
Sony, No all world... YET!

*** Online or In-Store ***
www.TrainsandTreasures.com

Loyalty club discounts up to 20% off
We also honor Walther's sale prices

Ever expanding inventory in ALL Gauges
including pre-owned collectibles
and now slot cars.

**We buy & sell old trains,
collections and estates**

1710 N Hercules Ave. Clearwater, Florida 33765
727-298-0350

NEW VERSION 3.2 FOR WINDOWS

TRAINPLAYER

OPERATE THE GORRE & DAPHETID

CHOOSE FROM FOUR ORIGINAL SCENIC RENDITIONS OF THE
MOST FAMOUS MODEL RAILROAD EVER BUILT, EQUIPPED WITH
TRACK AND TRAINS, READY TO RUN - ALL YOU DO IS DRIVE

ARMCHAIR MODEL RAILROADING

Model Railway Post Office
26 Industrial Road VOICE: 800-328-MRPO
West Milford NJ 07480 FAX: 888-328-MRPO

Congratulations MR on 75 years
of service to the
model railroading community

TRUSTED BY MODEL RAILROADERS FOR 27 YEARS!
NOW YOU CAN SHOP ONLINE!
www.modelrailwaypo.com

Your Source for the New...the Nifty...the Necessary...since 1981
Visit our retail store, featuring many complete lines and hard-to-find items. West Milford, New Jersey, just off Airport Road.

We've Got You Covered.

As a modeler, you demand perfection. Why expect anything less from your online hobby shop? With a real-time inventory, a newly redesigned interface, low prices, a speedy one-page checkout and a huge inventory with all the products you want, modeltrainstuff.com is your one-stop shop for all things model railroading.

CLASICO METAL WORKS **TRAINMAN** **Blackstone & Models** **SOUNDTRAXX** **EVERGREEN** **ATLAS**

BLMA **INTERMOUNTAIN** **märklin** **BLUELINE** **KATO**

ATLAS **LIONEL** **MICRO-TRAINS** **2000** **RE RING** **ENGINEERING** **75 YEARS** **Model Railroader**

RAPIDO TRAINS INC. **CEUTHE** **Kadee** **Plastruck** **Precision Railroad Models**

Chooch Enterprises Inc. **FVM** **Pentrex** **NJ International, Inc.** **Blair Line LLC**

model power **BRANCHLINE TRAINS** **labelle** **Rivarossi** **Athearn** **UIC** **Preiser**

circuifan **Deluxe** **Williams** **WOODLAND SCENICS** **Bliford Shops** **IMEX** **Digitrax**

MRC **MTH** **ELECTRIC TRAINS**

MODEL TRAIN Stuff Since 1913

Visit modeltrainstuff.com/MR75

243A Cockeysville Rd. Cockeysville, MD | 1-888-TRAIN55 | info@modeltrainstuff.com

Tips for using throttles on your layout



In this month's installment of DCC Corner, columnist Mike Polsgrove shares some handy throttle tips. Mike Polsgrove photos

The one part of your Digital Command Control (DCC) system you see the most is the throttle or cab. You control your trains with it, and it's used by all of your operators. This month, I'll discuss ways to make throttle use a bit easier.

Choosing a throttle. Most throttles are compatible only with the same manufacturer's DCC system. If you've already purchased a DCC system, your choices may be limited. However, several manufacturers offer more than one throttle for their own systems, and a few brands are compatible with others. For example, CVP offers a radio throttle that can be used on Lenz systems. Old Atlas DCC system throttles are also compatible with Lenz systems.

Some throttles are complicated, with lots of buttons and knobs, while others are simple, with only a few buttons. Often times, the ones with the fewest buttons are the most difficult to learn because their few buttons have multiple uses.

You may choose different throttles for different jobs on your layout. For instance, if you only need your operators to run trains, turn on the locomotive's headlight, and control the whistle and bell, the simpler (and usually less expensive) throttles are the best choice. However, if you need your operators to make and break consists, a full-function throttle may be the best choice. You'll also need a full-

function throttle to adjust Configuration Variables (CVs) and set the DCC system's parameters.

Other options are wireless or tethered throttles. Tethered throttles are generally less expensive, but they have less flexibility and require a cab bus wire with several throttle connection sockets around the layout. Those with large layouts may not want to commit to the time and expense of running a lengthy cab bus.

You may also be able to choose between a knob and buttons for speed control. (I'm old-fashioned and prefer the knob.)

I use the NCE Powerhouse Pro on my layout, so I had a few choices for throttles. The standard ProCab came with the DCC system and is

essential for setting it up. It's a large throttle with many buttons and both a thumb wheel and push buttons for speed control. I have a few ProCab radio throttles for general use, but at my roundhouse, I use a tethered ProCab to make and break consists and to control the turntable.

I also use a tethered throttle in the nearby industrial district. It's a 2 x 10-foot switching area where the "Commercial Job" runs. The Commercial Job has a short run from the yard to the industrial district where it switches for a couple of hours. Since the work is contained in a short section of layout, a radio throttle isn't needed.

The rest of the trains use radio throttles, since I don't have a cab bus around my entire layout. Most of my throttles are Cab04PRs, which have a big knob for speed control, a few buttons, and both a radio and tethered connection.

Cab bus. A cab bus is a cable that runs around behind the fascia of your layout connecting plug stations (panels) that tethered throttles plug in to. When wiring this bus, remember that it's a computer network and you must closely follow the manufacturer's instructions for the best results.

Cab holders. Modelers at operating sessions often look like jugglers under the big top. They're trying to hold their train orders, timetable, special instructions, car cards or



Fig. 1 Cab holders. The Universal Throttle Pocket from New Rail Models (left) and modified computer mouse holders (right) can be mounted to the layout fascia to hold throttles, as shown in the top photo.



Fig. 2 Throttle identification. Mike puts his name and the cab number on the back of his throttles. This makes it easier to identify them during an operating session.

switch lists, uncoupling tools, flagmen, and a throttle. The throttle is the most expensive item, so it's a good idea to keep it from hitting the floor.

I use commercial holders and re-purposed computer mouse holders, as shown in **fig. 1**. I have plenty of them around the layout to encourage their use. Other layouts I've seen use eyebolts and hooks. This requires modifying the throttle to put an eyebolt on it and placing hooks around the layout. I've also seen lanyards attached to throttles so they hang neatly around the operator's neck.

Instructions. Since every DCC system's throttles work differently, your operators (first-timers especially) may need reminders on basic throttle functions like acquiring locomotives and turning on the headlight. If the instructions are simple enough, attach them to the back of the throttle. If not, make them available in the timetable or special instructions so the operators have them readily available when they're running trains.

Throttle ID. On DCC systems like Lenz, CVP, NCE, and Model Rectifier Corp.'s Prodigy Advance, each throttle has a unique address. No two throttles operating on the same DCC system can have the same address. Regular operators might bring their own throttles to make sure there's enough at an operating session. For this reason, I put a label on the back of each of my throttles. See **fig. 2**. Putting my name on the label too helps keep my throttles from getting mixed up with other throttles at an operating session.



Fig. 3 Battery station. This three-drawer cabinet is kept in a central location under Mike's layout so operators can replace dead batteries with charged ones.

Batteries. All wireless throttles and many tethered throttles use batteries. Using rechargeable batteries will save money. Be sure to charge them before each session. I have the battery charger and a three-drawer cabinet (**fig. 3**) in a central location under my layout. One drawer is for dead batteries waiting to be charged, one has charged batteries, and the last has a set of jeweler's screwdrivers (to open the battery case) so that any operator needing fresh batteries during the session will be able to find everything needed to change the batteries.

Throttle locations. It's best to have a central location where throttles are stored. This way, an operator looking for a throttle will always know where to find one.

Some throttles save battery power when plugged into the cab bus, so jacks at that location may also be helpful. Always have your operators turn off locomotive headlights and deselect locomotives or consists from their throttles when they return them. This isn't essential in all DCC systems.

Throttles are a critical part of your DCC system. Once you've found a throttle that works best for you, learn how to use it effectively and train your operators. The better you are at using your throttle, the more time you can spend running trains. **MR**

Send your questions about Digital Command Control to DCC Corner, *Model Railroader* magazine, P.O. Box 1612, Waukesha, WI 53187, or e-mail dcc@mrmag.com. We regret we can't answer all the questions we receive.

7 Days a week

We are open to better serve you.

Mainline Hobby Supply

From Z to G we have it.

DCC – We stock it.

A Clean, well stocked store.

Just a short drive from Baltimore, MD or Washington DC. Check us out, as new items arrive daily.

www.mainlinehobby.com

On Pennsylvania Rt. #16
15066 Buchanan Trail East
Blue Ridge Summit, PA 17214
(717) 794-2860

We ship UPS daily.



Internet Hobbies™

The World's Online Hobby Shop™

CHECK OUT OUR VOLUME REBATES

| If Your Order Totals: | REBATE AMOUNT |
|-----------------------|---------------|
| \$100.00 - \$149.99* | \$10.00 |
| \$150.00 - \$199.99* | \$15.00 |
| \$200.00 - \$249.99* | \$20.00 |
| \$250.00 - \$299.99* | \$25.00 |
| \$300.00 - \$399.99* | \$30.00 |
| \$400.00 - \$499.99* | \$40.00 |
| \$500.00 - \$599.99* | \$50.00 |
| \$600.00 - \$699.99* | \$60.00 |
| \$700.00 - \$799.99* | \$70.00 |
| \$800.00 - \$899.99* | \$80.00 |
| \$900.00 - \$999.99* | \$90.00 |
| \$1000.00* or more | \$100.00 |

**The More You Buy...
The More You Save!**

*Shipped Merchandise Only - See Website For Details

www.internethobbies.com

504 Business Route 6 - MAYFIELD, PA 18433 USA

800-873-9893

**WE'RE BACK STEAMING!
AND YOU CAN TOO!!**

**TAKE THE
THROTTLE**



Locomotive Rental • 14 miles • \$695
Call or go on line for details

NEVADA NORTHERN RAILWAY
(866) 407-8326 • www.nnry.com

Demar Electronics

P.O. Box 7215, Algonquin, IL 60102
Toll Free 877-655-6433—FAX 847-854-4434
www.demarelectronics.com

Miniature Toggle Switches

| | | |
|---------|------------------|-----------|
| MTS-101 | SPST | \$0.75 ea |
| MTS-102 | SPDT | \$0.85 ea |
| MTS-103 | SPDT C/OFF | \$0.90 ea |
| MTS-123 | SPDT C/OFF (MOM) | \$1.15 ea |
| MTS-201 | DPST | \$0.85 ea |
| MTS-202 | DPDT | \$0.90 ea |
| MTS-203 | DPDT C/OFF | \$1.00 ea |
| MTS-223 | DPDP C/OFF (MOM) | \$1.35 ea |
| MTS-302 | 3PDT | \$1.45 ea |
| MTS-303 | 3PDP C/OFF | \$1.60 ea |
| MTS-402 | 4PDT | \$2.80 ea |
| MTS-403 | 4PDT C/OFF | \$3.10 ea |

SPECIAL Soft & Warm White 3mm LED \$1.25 ea

We accept most major credit cards
Shipping Add \$5.80 for first pound or less.

Write for FREE catalog
See our other ads for more product information

Standard size switches @ 10 amps

| | | |
|----------|----------------|-----------|
| KN3C-101 | SPST | \$1.15 ea |
| KN3C-102 | SPDT | \$1.23 ea |
| KN3C-103 | SPDT C/OFF | \$1.27 ea |
| KN3C-123 | SPDT C/OFF MOM | \$1.46 ea |
| KN3C-201 | DPST | \$1.46 ea |
| KN3C-202 | DPDT | \$1.60 ea |
| KN3C-203 | DPDT C/OFF | \$1.62 ea |
| KN3C-223 | DPDT C/OFF MOM | \$1.93 ea |

RL2C Latching Relay Dual Coil \$4.95 ea

Standard White LED's
Size 1.8, 2, 3, and 5mm
Pack of 10 for \$8.00

Terminal
Strips 15
Amp.
140-2.....\$1.06
140-6.....\$2.10
140-8.....\$2.62
140-10.....\$3.30
140-12.....\$3.96
All other sizes
available
CALL

| Wire 100 ft Rolls All Colors, | | | |
|-------------------------------|--------------|----------------------|--------------|
| Solid | Stranded | Solid | Stranded |
| 26 Gauge.....\$12.97 |\$12.84 | 20 Gauge.....\$18.58 |\$16.30 |
| 24 Gauge.....\$12.95 |\$13.46 | 18 Gauge.....\$18.90 |\$16.60 |
| 22 Gauge.....\$13.80 |\$13.66 | | |

DC VOLT METERS

| PART No. | RANGE | COST | PART No. | Range | Cost |
|--------------------------------------|---------|--------|-----------|---------|--------|
| DCAM03 | 0-3 | \$6.25 | DCVM05 | 0-5 | \$6.50 |
| DCVM10 | 0-10 | \$6.50 | DCAM10 | 0-10 | \$6.50 |
| DCVM15 | 0-15 | \$6.50 | DCAM15 | 0-15 | \$6.50 |
| DCVM20 | 0-20 | \$6.50 | DCAM20 | 0-20 | \$6.50 |
| DCVM5X5 | 5-0-5 | \$7.50 | DCAM1X1 | 1-0-1 | \$6.50 |
| DCVM10X10 | 10-0-10 | \$7.50 | DCAM3X3 | 3-0-3 | \$6.75 |
| DCVM15X15 | 15-0-15 | \$7.50 | DCAM5X5 | 5-0-5 | \$6.75 |
| DCVM20X20 | 20-0-20 | \$7.50 | DCAM10X10 | 10-0-10 | \$6.75 |
| AC VOLT METER 0 to 25 VOLT # ACVN-25 | | | | | |
| AC AMP METERS # ACAM05 0 to 5 AMP | | | | | |
| AC AMP METERS # ACAM03 0 to 3 AMP | | | | | |

Miniature Push button comes in Red, Green, Yellow and Black colors @ \$0.65 each Normally Open Contacts R1829-(Color)

Tortoise™



Slow Motion Switch Machine

800-6000 \$18.95

MADE IN THE USA

6006 6-PACK \$110.00
6012 12-PACK \$210.00

- Enclosed Gear Drive Mechanism (NOT a Screw-Drive Machine!)
- Simple Mounting - All Linkage Included!
- 2 Sets SPDT Auxiliary Contacts

AT YOUR LOCAL HOBBY SHOP OR DIRECT
INCLUDE \$7.00 FOR SHIPPING & HANDLING

Send SSAE for more info or \$7.00 for complete
60 page Catalog & Application Book to:

CIRCUITRON

211 RocBaar Dr., Romeoville, IL 60446-1163

precisiontools

Whether you're a skilled model railroader, or a beginner putting together your very first layout, Xuron offers a complete line of premier quality hand tools that will enhance and simplify your work. From our world-famous Track Cutter to our not so famous (but just as terrific) Wire Strippers and Pliers, Xuron tools provide quality results time after time.

Xuron's patented blade by-pass Micro-Shear® cutting action ensures straight square cuts while our Lifetime guaranteed Light-Touch™ return spring and cushioned Xuro-Rubber™ grips provide all day comfort. Made in USA

XURON CORP.

Please call or write for (free) full line catalog. www.xuron.com

US & Canadian Sales Xuron Corporation, 62 Industrial Park Road, Saco, ME 04072 • TEL. 207 / 283-1401 • sales@xuron.com
International Sales ZED Group, Chelsea, MA 02150 • TEL. 617 / 889-2220 • rzisa@zedgroupinc.com

SHOWN:
2175B Track Cutter
505 Wire Stripper
450 Tweezernose™ Plier



Litchfield

STATION

You REALLY want Sound!

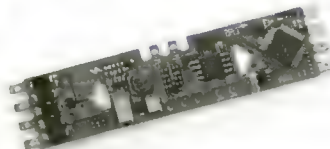
Q.S.I.
Digitrax
LokSound
SoundTraxx



www.Mr-DCC.com

623-298-7355

Tsunami®



Choose your favorite prototype - EMD 1st, 2nd, 3rd Generation diesels: ALCO 244 or 251; GE and Fairbanks-Morse Prime Movers! All models include engine startup and shutdown, radiator fans, dynamic brakes, bell, short and long horns, manual or automatic notching and more!

READY TO RUN Digital Sound Decoders for HO ATLAS Diesels!

So what is a 'Ready to Run' Digital Sound Decoder? Unlike most other sound decoders, SoundTraxx Tsunami® Digital Sound Decoders for Diesels need no programming devices, special software or advanced degrees in electronics to use! Each comes with true 16-bit digital sound packed with 16 airhorns appropriate to the era.

EXTRA Ready to Run - Tsunami is now available in a replacement-board style designed to install in place of the light board that comes standard in most Atlas HO Diesel models and many other manufacturers locomotives! Hardware is onboard for easy installation with 1.5Volt bulbs!

SOUNDTRAXX®

210 Rock Point Drive, Durango, Colorado 81301
(970) 259-0690 Fax: (970) 259-0691 Website: www.soundtraxx.com

Not sure what you need? Visit our website for help with prototype and horn selections!

WALTHERS



Perfect Power for Your Complete *Hiawatha*

December Arrival

- Authentic Orange & Black Scheme
- Milwaukee-Specific Details
- PROTO Max™ Knuckle Couplers
- Milwaukee Structures Available Separately
- Produced Especially for Walther's 75th Anniversary

PROTO 2000® EMD E7 Diesels
Sound & DCC | A-A Set \$429.98
920-40950 #18A & 18B
920-40951 #19A & 19B

A Unit Only \$219.98
920-40952 #20A
920-40953 #20B

Standard DC | A-A Set \$299.98
920-47950 #18A & 18B
920-47951 #19A & 19B

A Unit Only \$159.98
920-47952 #20A
920-47953 #20B

Budd Super Dome \$49.98
932-9207 #50-59



9 Authentic Cars Now Available

\$44.98 Each (Unless Noted)

Skytop Lounge "...Rapids" Series #186-189
932-9206 \$49.98

52-Seat Coach #498 Series
932-9200

Railway Post Office
#2152-2153
932-9201

Express Car w/Conductor's
Window #1330-1336
932-9202

48-Seat Diner #121-126
932-9203

26-Seat Tap Lounge
#172-173
932-9204

30-Seat Parlor Car
"...Valley" Series #190-197
932-9205

Coach #535 Series
932-9208

Express Car -
Version 2 #1317-1329
932-9209



Budd Super Dome #50-59 | 932-9207



48-Seat Diner #121-126 | 932-9203



Skytop Lounge "...Rapids" Series #186-189 | 932-9206



26-Seat Tap Lounge #172-173 | 932-9204



52-Seat Coach #498 Series | 932-9200



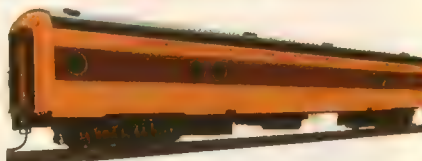
30-Seat Parlor Car "...Valley" Series #190-197 | 932-9205



Railway Post Office #2152-2153 | 932-9201



Coach #535 Series | 932-9208



Express Car w/Conductor's Window #1331 | 932-9202



Express Car #2 #1317-1329 | 932-9209



More product info online at <http://www.walters.com/newjan02>. Look for the complete Hiawatha series at your participating hobby dealer — visit walters.com to find a store near you or for more information.

©2008 Wm. K. Walther's, Inc. Preproduction models shown assembled and painted with modeler-applied grab irons installed, some details may vary.

Product Reviews



H-10-44 in HO captures the looks and sounds of a long-serving F-M switcher

A semi-streamlined carbody developed by famed industrial designer Raymond Loewy made the Fairbanks-Morse H-10-44 a distinctive entry into the diesel switcher market. Many H-10-44s had careers that spanned 40 years. The new Proto 2000 from Walther's HO scale H-10-44 is available in a version that includes a dual-mode Digital Command Control sound decoder that operates on DC or DCC layouts.

The prototype. As the end of World War II approached, Fairbanks-Morse debuted a new 1,000-hp switcher for the Milwaukee Road in

1944: the H-10-44. (H stood for hood unit, 10 for 1,000-hp, and 44 for its B-B wheel arrangement.)

Railfans and modelers refer to the detail differences that occurred during production of the H-10-44 as phases. A description of all the H-10-44 phases is given in the July/August 1993 issue of *Diesel Era*.

Our review sample came decorated as Milwaukee Road no. 1824. Delivered in 1950, this engine was one of the last H-10-44s built. The model has the correct phase IIb carbody with three louvers

along the top rear of the carbody sides and a screened opening on the first door behind the radiator shutters. Walther's makes a phase IIa version with two sets of louvers in place of the screened opening.

The 1,200-hp H-12-44 was introduced in 1950 and had the same carbody as the H-10-44 until 1952. Most Milwaukee H-10-44s served into the 1980s.

The model's dimensions match H-12-44 drawings in the Simmons-Boardman 1950-52 *Locomotive Cyclopedia of American Practice*.

Details and paint. The model's cab, long hood, sill, end steps, and truck sideframes are plastic. Engraved details, such as the louvers, are sharply defined. Separate parts include acetal plastic handrails and grab irons. The latches on the engine-access doors are also separate pieces.

Another standout detail is the etched-metal grill over the radiator fan. The cab interior includes painted crew figures.

More on our Web site

Current subscribers can search an online archive of more than 525 product reviews and videos. Visit our Web site at www.ModelRailroader.com.

Reviewed in this issue

- 108 Kato N scale GG1 electric locomotive
- 112 Atlas O EMD MP15 O scale diesel locomotive
- 116 Athearn HO scale Trinity spine car
- 118 MTH "Quick looker" Rapido HO scale line poles Z scale gas station lot



The detailed H-10-44 cab interior includes painted crew figures.

HO scale H-10-44 switcher

Price: \$279.98 (DCC), \$179.98 (DC)

Manufacturer

Wm. K. Walther's Inc.
P.O. Box 3039
Milwaukee, WI 53201
www.walthers.com

Description: Plastic and metal ready-to-run HO diesel

Road names: (two road numbers each, unless noted)
Milwaukee Road (four road numbers); Atchison, Topeka & Santa Fe; Baltimore & Ohio; Central RR of New Jersey; Chicago & North Western (four road numbers); New York Central; Nickel Plate Road; Pennsylvania RR (four road numbers); undecorated

HO scale H-10-44 features

All-wheel drive and electrical pickup
Die-cast metal chassis
Drawbar pull: 3.5 ounces
Dual-mode DCC sound decoder (DCC version only)
Five-pole skew-wound motor with brass flywheels
HO scale 40"-diameter RP-25 metal wheels in gauge
User-installed magnetic knuckle couplers at correct height
Weight: 10 ounces

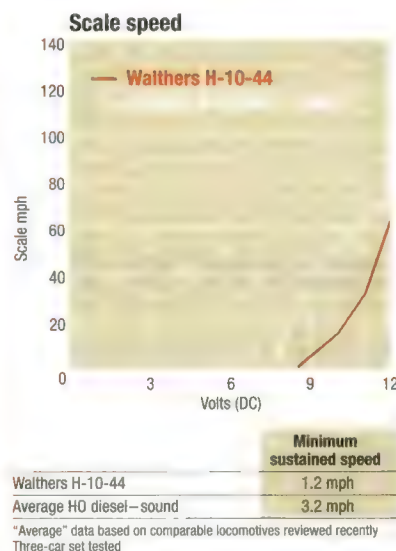
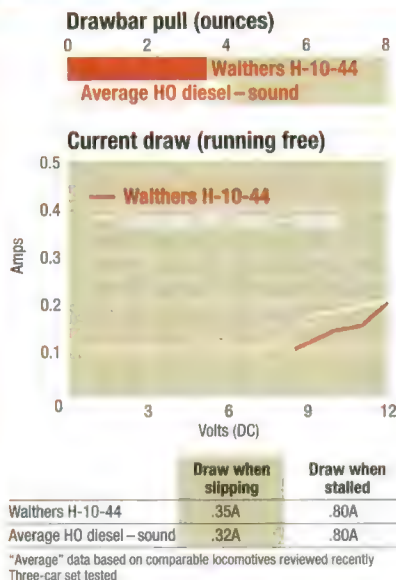
Unlike its Milwaukee Road prototype, the model doesn't have a bell above the front headlight.

User-applied parts includes cab sunshades, wind deflectors, F-M builder's plates and front plate.

Paint coverage is smooth. All lettering and striping match prototype photos from the 1950s.

Drivetrain. After removing the H-10-44 from its packaging, I unscrewed the end protectors from each coupler box. Then I lifted off the long hood.

A can motor with dual brass flywheels rests in the center of the die-cast metal chassis. Plastic



universals, shafts, and worm gears drive all the axles. The H-10-44 has a drawbar pull equivalent to 49 free-rolling HO freight cars on straight and level track.

The printed-circuit board and DCC decoder are mounted above the motor. The speaker is inside the plastic fuel tank.

Once I replaced the long hood on the frame, I installed the couplers using the Phillips screws that had held the end protectors in place.

Performance. The model comes from the factory set to Regulated Throttle Control, which simulates the momentum of a prototype

locomotive starting or stopping. For our speed tests, I set the model to Standard Throttle Control.

In DC, sounds and lights came on at 5 volts. As I advanced the throttle to 8.5 volts, the model started moving at 1.2 scale mph. At 12 volts, the switcher reached 64 scale mph, close to the prototype's 60 mph top speed.

In DCC, the QSI decoder supports 14, 28, or 128 speed steps. The model crawled along in speed step 1 at 1 scale mph and accelerated to a top speed of 62 scale mph.

The HO switcher ran through turnouts without any interruptions in the sound or lighting effects.

The model includes a cab light, lighted number boards, and constant-voltage headlights. In reverse the front headlight dims and the rear headlight shines. (On the prototype, this wasn't an automatic function.)

Dual-mode sounds. The QSI Quantum sound decoder operates in DC as well as DCC. You can activate the model's horn and bell and program several features using your power pack's direction switch as outlined in the instructions. For easier operation and programming in DC, you can buy the QSI Quantum Engineer DC controller (suggested retail price \$59.99).

The model has 13 DCC functions, including horn and coupler crash. Function 9 lets you simulate a diesel struggling with a heavy load or steep grade. When function 9 is toggled on, the locomotive's speed remains constant, and the DCC cab controls the diesel's throttle notch, increasing or decreasing the rpm sounds.

In DCC, you can program the model's configuration variables (CVs) in service mode (using an isolated programming track) or in ops mode (programming on the main). All CVs can be reset to their factory defaults using the supplied magnetic wand to flip a reed switch under the long hood.

Realistic sound and a high level of detail make this HO H-10-44 a worthy depiction of an F-M switcher.

— Dana Kawala, associate editor



Switch to Athearn's New SW1000

Add Athearn's new EMD SW1000 diesel switcher to your railroad line. This contemporary switcher is completely Ready To Roll, meaning you can take it out of the box and place it directly on your HO layout. Newly tooled with Celcon handrails and McHenry® knuckle spring couplers, the Athearn® SW1000 is designed using railroad-specific details, such as horns, truck sideframes and spark arrestors. And

check out the see-through etched metal radiator grille! The latest hex drivetrain and a can motor ensure a smooth ride. The mechanism is even DCC-ready for either 8- or 9-pin plug-ins.

See all 14 versions, including the unique BNSF "swoosh" scheme, at your local train shop, or browse the collection online at www.Athearn.com.



| AVAILABLE MODELS | | | HO SW1000, MSRP *\$9.98 | |
|------------------|---------------------|-------|--------------------------------|-------------------|
| 95801 | BNSF "Swoosh" #3606 | 95806 | BNSF H-1 #3616 | 95811* D&RGW #147 |
| 95802 | BN #394 | 95807 | BNSF H-1 #3648 | 95812* D&RGW #141 |
| 95803 | BN #437 | 95808 | CB&Q #9313 | 95813* D&RGW #144 |
| 95804 | BN #580 | 95809 | CB&Q #9319 | 95800 Undecorated |
| 95805 | BNSF H-1 #3644 | 95810 | CB&Q #9314 (simplified scheme) | |

"Digitrax offers the most of any of the systems, and with it I know there is nothing in DCC that I won't be able to do. To me that's the most important thing."

Fact: Digitrax is the leader in DCC

"Digitrax handles the command station, boosters, throttles, wireless, turnout decoders, and power manager feedback reporting all on the same 6-wire cable!"

Fact: Digitrax has unequalled Support

Fact: Digitrax customers have the last word.

"The main reason I chose a DIGITRAX system over anything else was simple 'DEALER SUPPORT'."

"The reason I chose Digitrax is because their systems have a nice control network, called LocoNet, which is used to link their throttle modules, the track power supply and other control components together."

"We chose Digitrax because of its range of operation possibilities, flexibility, ability to interface with other products, and corporate support."

"The reason I chose Digitrax is because their systems have a nice control network, called LocoNet, which is used to link their throttle modules, the track power supply and other control components together."

"I chose Digitrax for a number of reasons, primarily for the fact that everyone I know here in this area uses it. The reason I chose Digitrax is because their systems have a nice control network, called LocoNet, which is used to link their throttle modules, the track power supply and other control components together."

"The reason I chose Digitrax is because their systems have a nice control network, called LocoNet, which is used to link their throttle modules, the track power supply and other control components together."

"I chose Digitrax for a number of reasons, primarily for the fact that everyone I know here in this area uses it. The reason I chose Digitrax is because their systems have a nice control network, called LocoNet, which is used to link their throttle modules, the track power supply and other control components together."

"A Digitrax system can be expanded from a simple 2-wire connection to a small layout with a Zephyr, all of the way up to a large system with every advanced feature imaginable, all without having to abandon older equipment."

"We like the expandability of the system, but most we like the response of the system to the throttles. How Digitrax communicates with the command station was a big plus several of us as the response was nearly instantaneous."

"I chose Digitrax because of its range of operation possibilities, flexibility, ability to interface with other products, and corporate support."

"Digitrax handles the command station, boosters, throttles, wireless, turnout decoders, and power manager feedback reporting all on the same 6-wire cable!"

"I chose Digitrax for a number of reasons, primarily for the fact that everyone I know here in this area uses Digitrax."

"I chose Digitrax for a number of reasons, primarily for the fact that everyone I know here in this area uses Digitrax."

"I chose Digitrax for a number of reasons, primarily for the fact that everyone I know here in this area uses Digitrax."

"Digitrax is the most effective system. These reasons are why I chose it and why most large clubs, essentially all modular groups, and [many] users choose Digitrax. It is simply an unparalleled system in terms of value, expandability, scalability, functionality, and installed user base."

"When I chose Digitrax, I chose it based on specifications, expandability, scalability, cost, and LocoNet."

"I bought based on the fact that Digitrax's system was the only system in the industry to use a real network, LocoNet, and I LOVE the system."

Digitrax congratulates Model Railroader Magazine on 75 years of service to model railroaders around the world.

The above customer quotes were collected via Google® on October 24th, 2008. Find out more about Complete Train Control at digitrax.com.

LocoNet® and Zephyr® are registered trademarks of Digitrax Inc. Copyright 2008.

Digitrax®



GG1 electric locomotive in N scale is fit to lead the Pennsy's Blue Ribbon fleet

For 49 years GG1 electric locomotives hauled premier passenger trains as well as some freight traffic across the electrified territory of the Pennsylvania RR and its successors. This N scale Kato model accurately captures all the curves of the Raymond Loewy-streamlined carbody and has a smooth and powerful mechanism to boot.

The prototype. Baldwin Locomotive Works and General Electric built a prototype GG1 with a riveted body (no. 4899, later renumbered 4800) in 1934. Pleased with the success of "Old Rivets," Pennsy ordered 14 more GG1 locomotives (4801 to 4814) from BLW and GE in 1935. After that initial order the Pennsy's own Altoona Shops built the remainder of the GG1 fleet (4815 to 4938). Altoona built the last GG1 in 1943. All GG1 locomotives after "Old Rivets" no. 4899 had smoothly contoured welded carbodies.

The GG1 rode on an articulated 2-C+C-2 chassis (a two-axle idler truck on each end and three powered axles on each section of

the chassis). With a pair of motors on each powered axle, the GG1 produced 4,620 continuous hp with peaks up to 8,500 hp. The top speed of a GG1 geared for passenger service was 100 mph. Starting in the 1950s the Pennsy regearred some GG1s to 90 mph for dual service (freight and passenger duties).

The last GG1 was retired in 1983. Several have been preserved, including no. 4935 at the Railroad Museum of Pennsylvania.

Details and paint. The dimensions of the Kato N scale model match those of drawings in the October 1994 issue of *Model Railroader*.

The Kato GG1 is decorated in the modified-Loewy paint scheme introduced in 1941. The model's Brunswick green paint is the correct almost-black shade, and the serif Clarendon lettering font is appropriate for this era, as is the red pinstriping around the cab windows. The placement of the lettering, heralds, and striping matches prototype photos.

The lettering on the model is bright yellow in color. To match the

prototype all lettering should be gold leaf. Later GG1 paint schemes used a dark yellow-gold shade called "Synthetic Buff."

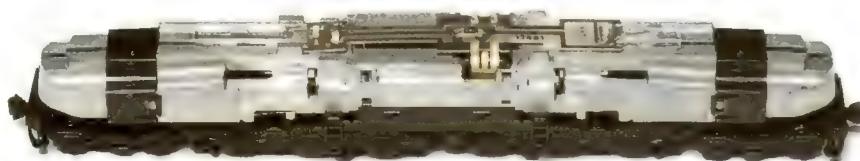
The model's plastic body shell features sharply molded detail and captures the complex curves of the prototype. The side grills are especially well done. Separately applied details include cab ladders and window safety bars.

The non-functioning blackened metal pantographs raise and lower easily. When fully extended the pantographs are 25 N scale feet (1 7/8 inches) above the railhead.

Drivetrain. Disassembly instructions for the GG1 are on the Kato Web site (www.katousa.com). I easily removed the press-fit plastic body shell. The can motor with two brass flywheels is housed inside a split die-cast metal frame. Universal shafts transfer power to a gearbox attached to each three-axle section of the articulated frame. All six driving axles are powered.

All wheels are blackened metal, and the drive wheels measure a scale 41" in diameter. The articulated frame and the idler truck sideframes have sharply molded details that match the prototype.

Our review sample had one traction-tire-equipped driver. The model's drawbar pull was equivalent to 24 free-rolling N scale passenger cars on straight and level track. The GG1 should have plenty



The Kato GG1 features a can motor and dual brass flywheels in a die-cast metal split frame. A drop-in DCC decoder is available from Digitrax.

►► N scale GG1

Price: \$139.00

Manufacturer

Kato U.S.A. Inc.

100 Remington Rd.
Schaumburg, IL 60173
www.katousa.com

Description: Ready-to-run plastic and metal locomotive

Road name: Pennsylvania RR no. 4935 (Brunswick Green, five-stripe)

►► N scale GG1 features

Blackened metal RP-25 wheels in gauge

Blackened metal pantographs
Can motor with dual brass flywheels

Compatible with Digitrax DN163K1D Digital Command Control (DCC) decoder (sold separately)

Drawbar pull: 2 ounces

Electrical pickup on 11 drivers

Kato operating knuckle couplers at correct height

Minimum radius: 9¾"

Sprung idler trucks

Weight: 5 ounces

of power to pull the new 14-car Kato N scale *Broadway Limited* passenger train.

Converting the GG1 to DCC is easy. A printed-circuit board is mounted under a gray plastic cover atop the model's split frame. Digitrax makes a drop-in DCC decoder (DN163K1D) that replaces the original PC board.

Performance. I tested the GG1 using an MRC Tech 4 12-volt power pack. The model's forward headlight, illuminated number boxes, and class lights came on at 2 volts. All lighting is directional. When I flipped the direction switch, the front headlight, number boxes, and class lights went dark, and the rear set of lights illuminated. Automatic directional lighting wasn't a feature of the prototype.

All lighting is from light-emitting diodes (LEDs) that have an orangish cast. The class lights

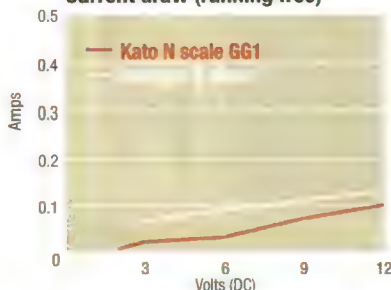
Drawbar pull (ounces)

0 .2 .4 .6 .8 1.0 1.2 1.4 1.6 1.8 2.0

Kato N scale GG1

Average N diesel

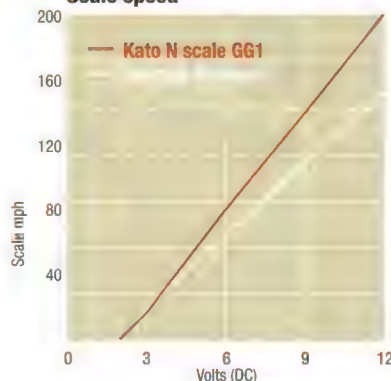
Current draw (running free)



| | Draw when slipping | Draw when stalled |
|------------------|--------------------|-------------------|
| Kato N scale GG1 | .14 A | .20A |
| Average N diesel | .18A | .40A |

Average data based on comparable locomotives reviewed recently

Scale speed



| | Minimum sustained speed |
|------------------|-------------------------|
| Kato N scale GG1 | 0.8 mph |
| Average N diesel | 4.7 mph |

would look more prototypical if they were white or green.

At 2 volts the model rolled steadily at only 0.8 scale mph. The GG1 accelerated to 200 scale mph at 12 volts, double the top speed of the prototype. A more prototypical 100 scale mph top speed is achieved at 8 volts.

The Kato GG1 ran smoothly through turnouts and around a 9¾" curve. However, the model looks much better on broader curves, especially when pulling passenger cars.

Despite its yellow lettering, the model looks great hauling the Kato *Broadway Limited*. The Kato GG1 is a good choice for N scalers who want to model the Pennsy's electrified territory. — D.K.

ORANGE
VISTA
PACKING
HOUSE



HO Scale, 17" x 4-1/2" footprint

Happy Birthday Model Railroader

Over 20 detail items!

By Alpine Division Scale Models, L.L.C.

At your hobby dealer or direct.

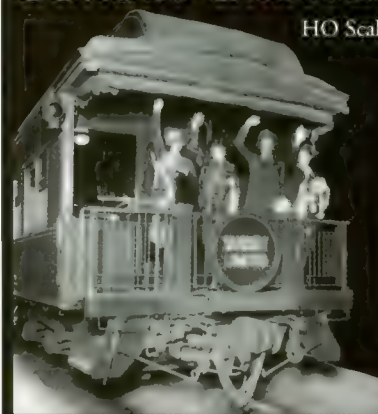
\$49.95 plus \$5.00 shipping

(CA residents add 8.25% sales tax)

www.alpinemodels.com

ESPEE HEAVYWEIGHT
SUNSET LIMITED

HO Scale



The Coach Yard

Committed to Excellence

www.thecoachyard.com

Storage Boxes



Self Closing

Fully Assembled • Foam Lined

AXIAN TECHNOLOGY

p: 623-580-0800 • f: 623-580-8008

21622 N. 14th Ave.

Phoenix, AZ 85027-2806

HO Scale
Holds 16 Cars - \$21.95
N Scale
Holds 48 Cars - \$21.95
Tote Bags
\$31.95
Plus S&H

Call TODAY to order! 1-800-466-3131

www.axiantech.com

RAILROAD HOBBIES

119 VERNON ST., ROSEVILLE, CA 95678

PH. (916) 782-6067

| | | | |
|----------------------------------|----------|----|--------|
| AT&SF COACH #3087 W/INTERIOR | FP CY | HO | \$425 |
| AT&SF DINER #605 | FP CY | HO | \$450 |
| AT&SF INDIAN SLEEPER 24 DUPLEX | FP SOHO | HO | \$199 |
| GN OBSERVATION W/SHADES | PT BAL | HO | \$100 |
| GN DINER | PT BAL | HO | \$80 |
| GN SLEEPER | PT BAL | HO | \$50 |
| MP/UP SD50 #5002 | CP OMI | HO | \$325 |
| SP 4-8-4 #4470 | PT BAL | HO | \$550 |
| SP 2-6-0 M-5 #1736 | FP PSC | HO | \$1049 |
| SP 2-6-0 W/100-C-4 VANDY TENDER | FP SUN | HO | \$649 |
| SP 2-6-0 W/100-C-4 VANDY DCC/GND | FP SUN | HO | \$699 |
| SPT&NO 2-8-0 C-24 #11 W/DCC | PT HALL | HO | \$475 |
| UP 4-6-6-4 #3804 | FP CHALL | HO | \$2400 |
| UP 4-8-4 #843 COAL | FP KEY | HO | \$875 |
| UP 4-8-4-4 #4000 | CP KEY | HO | \$1200 |
| UP 4-8-4 FEF-3 | WSM | HO | \$350 |
| V&T CABOOSE #9 | BC | HO | \$140 |
| WP F3A & F3B | FP ORI | HO | \$499 |
| C&S 2-8-0 PT CALIF CENTRAL #2 | FP KEY | HO | \$499 |
| CBQ/CZ DINER #193 SILVER CAFE | FP ORI | N | \$175 |
| PICKERING 3 TRUCK SHAY | PT | N | \$1299 |
| SP 2-8-0 C9 #2819 | FP KEY | N | \$850 |

www.rrhobbies.com

LUNDE STUDIOS

www.lundestudios.com

HO & N Scale Kits Handcrafted Resin Realism

Website for Info and PayPal
Info s.a.s.e. or check/mo to:
37 CR 1360 Eureka Spgs, AR 72632



Weaver Bldg #HO-22 \$30
Add \$7 per kit s&h



Galt Tower #Nk1 18 story \$49
Stamp Twr #Nk2 14 story \$39
1st Left Bank #Nk3 6 story \$29

Golden Spike Tower and Visitor Center



View the Union Pacific Bailey Yard!



- 8th floor enclosed
360 degree view

- 7th floor open-air
platform

- See 15,000
railroad cars daily

- 3,000 cars
sorted each day



(308) 532-9920

1249 N. Homestead Rd., North Platte, NE 69101

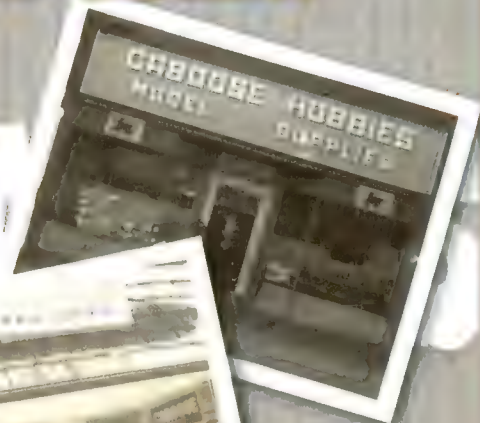
SUMMER

WINTER

Mon. - Sat. 10 a.m. - 7 p.m. 10 a.m. - 5 p.m.
Sunday 1 p.m. - 7 p.m. 1 p.m. - 5 p.m.

www.GoldenSpikeTower.com

Giving The Best...



Celebrating

70

Years



Since 1938

CABOOSE HOBBIES®
THE WORLD'S LARGEST MODEL TRAIN STORE

500 S. BROADWAY, DENVER, CO 80209-4002

Toll Free (Orders Only): (800) 886-1813

Phone: (303) 777-6766 ~ Fax (303) 777-0028

www.cabooseshobbies.com

TOOLS GS

Professional Precision Tools

Tools & Adhesives
for intricate applications

- Model Railroading
- Miniatures • Repairs



PLIERS • FILES • CUTTERS • SAWS • TWEEZERS • DRILLS

visit www.ToolsGS.com or call 800.295.3050

TANGENT

SCALE MODELS

**We focus on
one thing.
Accuracy.**

HO Scale and Larger Models Available NOW!
www.tangentmodels.com
PO Box 25825
Asheville NC 28813 USA
828-278-8116

Blue Ridge Hobbies
2327 N Pleasantburg Dr Greenville SC 29609
800-988-2125 / 864-255-4671

SANTA ASKS:
WHY PAY MORE?

**Over 100,000 Model Railroad Products
In All Scales ALL At Discount Prices!**

Weekly And Monthly Sales Low Cost Shipping Starting At \$4.85*
Courteous And Experienced Customer Service Operating HO and O Scale Layouts
Over 350 Manufacturers From Around The World Featuring - Atlas, Athearn, BLI, Digitrax, Falier,
Kato, Kibri, Lifelike, Lionel, Marklin, MRC, MTH, Prieser, Trix, Vollmer, Walthers, Woodland Scenics

www.BlueRidgeHobbies.com

Shop At Our Retail Store Tues Thru Sat OR Online 24/7

*see website for details

2009 RAILROAD TOUR ADVENTURES FOR RAILFANS

VISIT OUR WEBSITE FOR DETAILS
www.trainsunlimitedtours.com

| | |
|---|--|
| VALENTINE SNOWFLAKE EXPRESS | February 14-15 |
| WESTERN MARYLAND WINTER PHOTO FREIGHT | February 14-15 |
| ARIZONA EXPLORER | March 2-3 |
| CENTRAL COAST WINE EXPRESS | March 28-29 |
| AUSTRALIAN RAIL EXPLORER | April 2-25 |
| NEW ORLEANS AND CAJUNS EXPRESS | April 15-24 |
| DOMES TO SAN DIEGO | April 25 |
| LA VETA EXPRESS PHOTO FREIGHT | May 2-3 |
| SIERRA MADRE EXPRESS | May 4-11, Aug 27-Sep 3, Sep 3-10, Nov 5-12 |
| SEATTLE, VICTORIA AND NORTHWEST EXPRESS | May 8-14 |
| DOMES OVER DONNER | May 23-25 |
| WEST VIRGINIA EXPRESS | May 23-24 |
| WEST VIRGINIA AND DURBIN EXPRESS | May 24 |
| DENVER AND ROCKIES EXPRESS | June 5-11 |
| COAST TO COAST EXPRESS EASTBOUND | July 2-9 |
| COAST TO COAST EXPRESS WESTBOUND | July 10-18 |
| IN&P IDAHO EXPLORER | June 19-20 |
| SANTA FE AND TAOS EXPRESS | August 9-15 |
| DOMES TO RAILROAD DAYS | August 21-23 |
| ANDES RAIL ADVENTURE | August 22-30 |
| PORTLAND-SEATTLE GLACIER EXPRESS | September 1-11 |
| STEAM IN THE ANDES | September 5-17 |
| SWISS RAIL ADVENTURE | September 19-Oct 4 |
| FALL COLORS EXPRESS TO DENVER | September 26-Oct 2 |
| NEW ENGLAND FALL COLORS EXPRESS | October 3-11 |
| GRAND CANYON FLYER | October 16-17 |
| JAPAN RAILWAY EXPLORER | October 17-Nov 1 |
| RIO GRANDE SILVERTON MIXED EXPRESS | October 19-20 |
| RIO GRANDE CUMBRES MIXED EXPRESS | October 22-24 |
| LA VETA PASSENGER EXPRESS | October 26 |
| FALL COLORS LA VETA PHOTO FREIGHT | October 27-28 |
| CHRISTMAS TIME EXPRESS TO SANTA FE | December 13-18 |
| 6 LUXURY PRIVATE RAIL CAR POSITIONING MOVES IN CALIFORNIA - BAY AREA - LOS ANGELES-BAY AREA | March-April-August |

**TRAINS
UNLIMITED, TOURS LLC**

1105 Terminal Way, Suite 111 • Reno, NV 89502 USA

E-mail: tut@PSLN.com

Visit our Web site: www.trainsunlimitedtours.com

1-800 359-4870 USA 1-800 752-1836

CANADA (530) 836-1745

Fax (530) 836-1748

Tool-Light
Set of Three LED Lighted Tweezers

SRP Only \$19.99

Kit includes Three Tweezers, LED Light, Extra Batteries and Deluxe Case

Tool-Light is Perfect for:

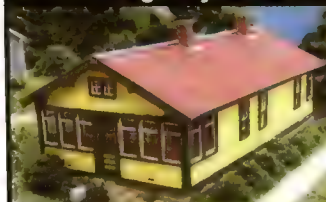
- Hobbies and Model Making
- Auto and Motorcycle Parts
- Crafts and Jewelry Making
- Needle Works and Quilting
- Handling Very Small Objects
- General Household Usage

www.ToolLights.com

made of Durable Stainless Steel combined with LED light.

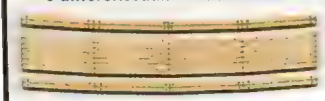
Also available stand alone Retail Clam Shell.

Celebrating 75 years with Model Railroader & 15 years at Blair Line!



HO/N ATSF Section House

NEW! HO & N scale Curved crossings.
6 different radii in each scale.



HO/N Track Car Setoff



Fred & Red's N/HO

Checked us out lately?

- 15 years of HO & N scale products.
- 7 styles of laser-cut Billboard frames.
- 10 laser-cut Wood Grade Crossings.
- 16 different Rooftop Billboard Signs.
- 27 sets of Traffic & Advertising Signs.
- 28 laser-cut Structures and Bridges.
- 48 sets of authentic Graffiti Decals.
- 1000's of satisfied customers!

See your dealer, visit our website
or request our free new catalog.

Blair Line LLC

Dept. 274

PO Box 1136 Carthage, MO 64836
www.blairline.com



O scale EMD MP15DC switcher has impressive sounds and performance

While this superb MP15DC model may look like a yard switcher, it rides on GP-type trucks that also suit it to road service. Made by Atlas O, the MP15DC has a detailed plastic carbody that's filled with a powerful mechanism and a factory-installed sound decoder that operates on either DC or Digital Command Control (DCC).

The model is a replica of the Electro-Motive Division's 1,500-h.p. MP15DC heavy-duty switcher that was introduced in 1974. A total of 246 units were built by the time production ended in 1980. The Atlas O model closely matches the prototype drawing published in the

Model Railroader Cyclopedia: Volume 2, Diesel Locomotives.

Appearance. The body is assembled using many alternate parts to provide the appropriate characteristics for each prototype. For example, there are two cabs and three different hoods. The radiator is one of the best I've seen, with a realistic see-through effect. Additional details are applied to match specific prototypes. The railings are formed wire mounted on properly-shaped metal stanchions.

This MP15DC has a cab interior that includes a set of lighted gauges on the control stand! Both of the side windows are fitted with wind deflectors and sun shades.

The golden-white light-emitting-diode headlights switch from dim to bright in the direction of travel.

A pair of classification lights on each end also change to display green in the forward direction and red to the rear as marker lights. Lighted number boards are also provided at both ends.

Our sample came painted in the Genesee & Wyoming's striking orange-and-black color scheme. The colors are neatly applied in smooth, even coats, with sharply defined edges. All of the herald parts are in perfect alignment, and there are numerous simulated safety stickers indicating the locations of fire extinguishers and the first-aid kit. Appropriate EMD builder's plates and safety reminders are printed on the chassis.

Under the hood. The Atlas O MP15DC's mechanism has a die-cast frame, trucks, and gearboxes, which provide sufficient weight for excellent traction.

A powerful can motor with dual brass flywheels is mounted above the hollow fuel tank that contains a speaker for the sound system. All four axles are driven and all of the wheels pick up current. The DCC sound system and directional lighting components fill a pair of PC boards stacked above the motor.

Working sounds. The sound-equipped *Model Railroader* Atlas O MP15DC has a QSI Quantum sound system that offers numerous choices and dozens of adjustments

▶▶ O scale EMD MP15DC

Price: two-rail (with dual-mode DCC sound system), \$479.95; dummy units, \$249.95

Manufacturer

Atlas O LLC
378 Florence Ave.
Hillside, NJ 07205-1102
www.atlasO.com

Road names: (two road numbers) Genesee & Wyoming, Alaska RR, Burlington Northern, Burlington Northern Santa Fe, Conrail, CSX, Manufacturers Ry., Missouri Pacific, Norfolk Southern, Reading, Southern Ry., Southern Pacific, Union Pacific

▶▶ Atlas O MP15DC features

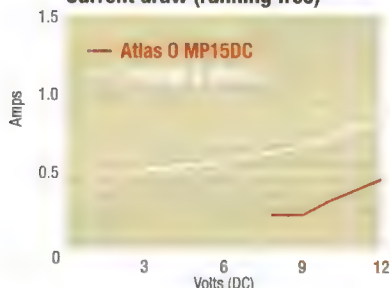
- Can motor with dual flywheels
- Dual-mode DC or DCC sound and control system
- Drawbar pull: 16 ounces
- Eight-wheel drive and electrical pickup
- Magnetic knuckle couplers mounted at the correct height
- Minimum radius: 36"
- Nickel-silver RP-25 metal wheelsets (in gauge)
- Weight: 3 pounds 6 ounces

Drawbar pull (ounces)

0 5 10 15 20 25

Atlas O MP15DC
Average O diesel

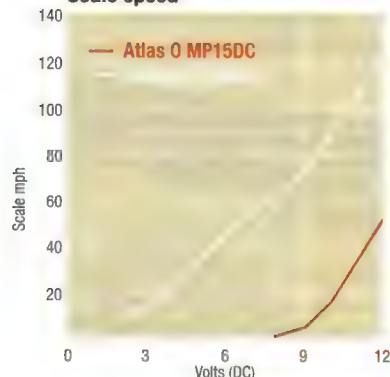
Current draw (running free)



| | Draw when slipping | Draw when stalled |
|------------------|--------------------|-------------------|
| Atlas O MP15DC | 1.4A | 2.5A |
| Average O diesel | 1.8A | 4.6A |

"Average" data based on comparable locomotives reviewed recently

Scale speed



| | Minimum sustained speed |
|------------------|-------------------------|
| Atlas O MP15DC | 1.0 mph |
| Average O diesel | 7.8 mph |

so the user can fine-tune the effects as desired.

Operation. The MP15DC began moving steadily at less than one scale mph on DC. We had to adjust the model's starting voltage by setting configuration variable (CV) 42 to a value of 5 to obtain the same slow speed performance on DCC. The top speeds were 52 mph on DC, and 80 on DCC.

This switcher is a powerful hauler delivering enough tractive effort to pull 48 free-rolling cars on straight and level track. It will also negotiate a 36" radius curve.

Overall, this heavy-duty switcher is excellent in all respects. It's solid construction, specific prototype detailing, powerful mechanism and top quality finish make it a winner. — *Jim Hediger, senior editor*

Model Train Displays



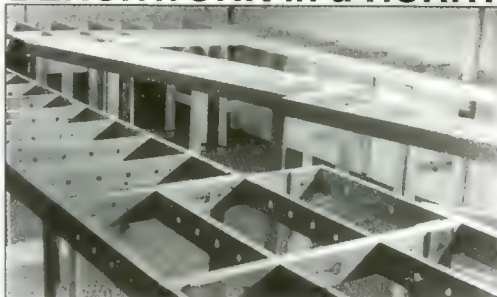
Solid hardwood display cases for gauges 'O' through 'Z' are fully assembled with sliding acrylic doors and mounting hardware attached. Model shown is for 'HO' gauge (36" W x 24" H x 1 1/2" D).

\$159.95 delivered. Trains not included.

CALL TOLL FREE 1-888-838-3152 TO ORDER TODAY
www.tracksidedisplays.com

For Any Gauge Track
For Any Size Layout
Easy to Assemble

BENCHWORK in a HURRY



Modular units intermix for unlimited layout designs. Assemble an 8' x 12' layout in less than 3 hours.

\$1 brings all the details of this solid, rigid benchwork with templates so you can design your layout.

Sievers

BENCHWORK

PO Box 100
Washington Island, WI 54246

Phone: 920-847-2264

Fax: 920-847-2676

www.sieversbenchwork.com

Mini Metals Happy 75th Birthday Model Railroader!

All of Us at CMW Holdings, Ltd. Makers of Mini Metals® Thank You for 75 Years of Helping to Make Model Railroading The World's Greatest Hobby!

CLASSIC METAL WORKS
CMW Holdings Ltd, 3401 Silica Road, Sylvania, OH 43560 419.842.8114 www.classicmetalsworks.com
CLASSIC METAL WORKS & MINI METALS are registered trademarks owned by CMW Holdings, Ltd.

Cripplebush Valley Models

Realistic rocks in less than a million years!

Happy 75th anniversary, MR!

www.cripplebush.net

CADRAIL

The Railroad Design Program

Advanced Layout Design with Easy to Use Tools

Draw track, bench work, buildings, bridges, electrical, or anything you want. You get a complete, all around CAD program. Plan, profile, and 3d views. Run trains on your drawing with cab views. Sectional or flex track. Any size or scale. Track libraries included.

See it at: **Cadrail.com**

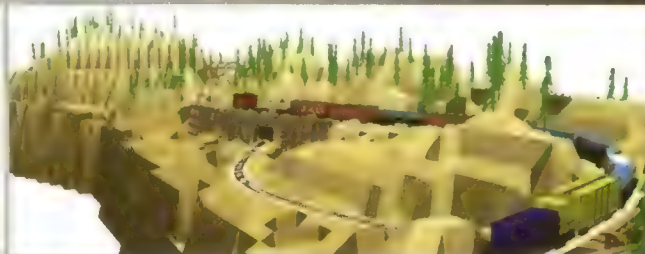
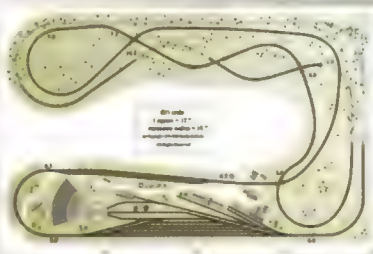
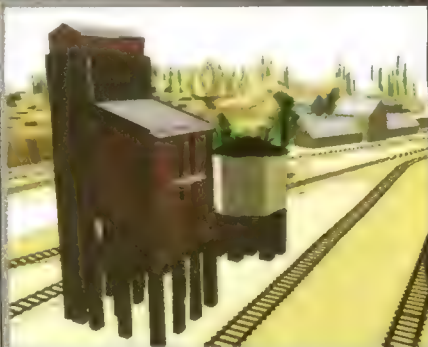
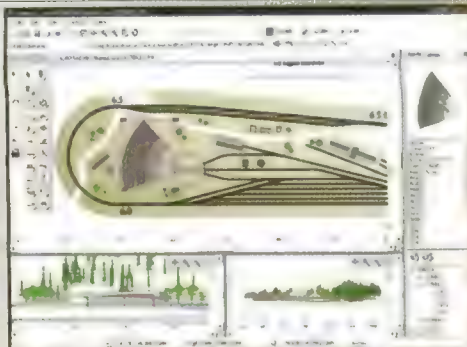
Internet Download...\$59.95

Parcel Post with manual & CD...\$99.95
US & Canada add \$5.00 S&H. Overseas
add \$12.00 S&H. Check, MC, Visa,
Discover, M.O. Prices subject to change.
Requires Windows 98 or higher.

Sandia Software

505-821-0014

7421 Vista del Arroyo NE
Albuquerque, NM 87109



Division Point

The best brass models you've never heard of

Coming in January
and still available:

EMD F-Units . . .

KCS Passenger, freight F-3s (trainphone)

NP freight F-3s in "pine tree"

SP "black widow" passenger, freight F-7s

ConnDOT F-7As in NH "McGinnis"

Metro North F-10s

D&RGW Pullman-Standard streamlined
passenger cars



Division Point
NORTH

Featuring:
superb detail
Maxxon motor
Key-Dee couplers
lighting
dual-mode decoder
speaker platform
silky s-m-o-o-t-h drive

303-499-5909

www.divisionpoint.com

orders@divisionpoint.com

Need a Lift?



Let the meter run and the rubber hit the road with Atheam's realistically detailed Checker A8 Taxis. These Ready To Roll models come fully assembled with complete interior in a variety of vibrant paint schemes. The fine detail, clear window glazing, trunk-mounted billboard adorned with authentic ads, and other on-target features give plenty of local color. See the whole set online at Atheam.com.

Checker A8 Taxis, \$12.98

- 26371 Checker Cab green
- 26372 Checker Cab red
- 26373 Checker Cab orange
- 26374 Checker Cab black
- 26375 NYC Yellow Cab yellow
- 26376 Checker Cab red
- 26377 Diamond Cab yellow
- 26378 Checker Cab white





Plan your own Dream Layout

With the all-new *Model Railroad Planning 2009*, you'll discover how to plan your greatest layout ever, overcome the obstacles that stand in your way, and get the amazing model railroad you want!

You'll learn how to:

- Plan a layout from the ground up
- Accurately model a real-life railroad
- Use your available space more creatively
- And so much more!

Model Railroad Planning 2009 will arrive in late January 2009.

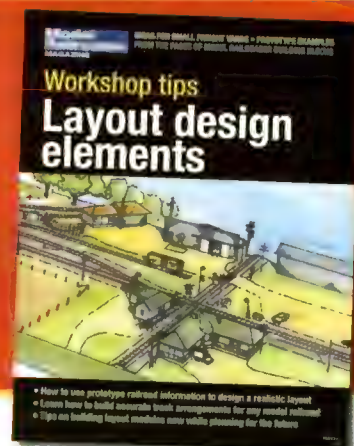


PLUS>>>

with your order you'll get a **FREE** copy of *Workshop tips: Layout design elements*, the 16-page booklet showcasing railroad-designing techniques.

Order online at ModelRailroader.com/MRP09 or call 1-800-533-6644

Monday-Friday, 8:30am-5:00pm CST. Outside the U.S. and Canada, call 362-795-8776, ext. 661. Please have your credit card ready.





Free-rolling HO spine car has excellent detail

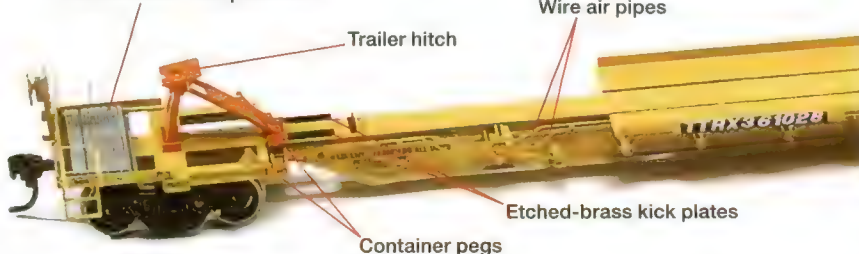
A highly detailed 57-foot three-unit all-purpose spine car with die-cast metal spines, etched-metal end platforms, and separately applied brake detail is now available from Athearn. The Ready-to-Roll car, based on the prototype produced by Trinity, is decorated for TTX Co. and is available in six road numbers and painted but unlettered.

Prototype history. The Athearn model is based on cars in the TTX RAF30A class (TTRX 360817-361116). These spine cars entered service in the late 1990s and are still used today.

Though the spine car consists of three units, it's considered one car. The units are assembled in a B-C-A configuration; the B unit is the one with the hand brake. The model's dimensions closely match data published in the *Official Railway Equipment Register* (R.E.R. Publishing Corp., January 2007).

It's in the details. What really makes Athearn's new three-unit spine car stand out are the details. For example, the model has a separately applied air reservoir and triple valve with freestanding wire air pipes, see-through etched-metal end platforms, and etched-brass kick plates by the trailer hitches. See the photo below.

Etched-metal end platforms



The B unit has factory-installed brake piping, etched-metal end platforms, and McHenry lower-shelf magnetic knuckle couplers. The trailer hitch and container pegs have to be installed by the modeler.

Modeler-installed trailer hitches (raised and lowered), container pegs and shoes, and container shoe covers are also included. A list of the parts needed to configure the units to haul containers (one 40-through 53-footer) and trailers (two 28-footers or one 40- through 53-footer) is printed on the back of the exploded-view diagram. The trailer hitches are assembled and press fit into factory-drilled holes. The container shoes and pegs have to be assembled and need to be glued in place. The pegs are small, so make sure they don't fly away when you cut them from the sprue.

Though the spine on each unit is die-cast metal, the crossbearers and decks are plastic. The deck has a textured pattern like the prototype, and there are two openings (one on each side of the spine) for installing either the container shoe and peg or a container shoe cover.

The three-unit car weighs 9.8 ounces. I pushed and pulled the empty car through a series of no. 5 turnouts on our Wisconsin & Southern project layout without a single derailment. Weighted containers or trailers could be used to add a few ounces to each unit.

Our sample has 70-ton trucks with correctly gauged scale 33" metal wheelsets mounted on plastic axles. The car uses body-mounted

▶▶ Athearn HO scale spine car

Price: \$79.98

Manufacturer

Athearn Trains

1550 Glenn Curtiss St.

Carson, CA 90746

www.athearn.com

Road name: TTX (six road numbers). Painted yellow but unlettered also available.

▶▶ HO spine car features

33" metal wheelsets with RP-25

contour, correctly gauged

Die-cast metal spine

Etched-metal running boards

McHenry scale knuckle couplers with springs, mounted at correct height

Modeler-installed container shoes and pegs, container shoe covers, and trailer hitches

Plastic crossbearers, decks, and ladders

Separately applied brake piping

Weight: 9.8 ounces (three units)

McHenry scale lower-shelf knuckle couplers with springs. They're mounted at the correct height.

The paint on the model is smooth and evenly applied, which is no easy task with yellow. The printing is crisp, and even the smallest lettering is clearly legible under magnification.

A winner. The Athearn 57-foot all-purpose spine car is an excellent model with some of the best detailing I've seen on a ready-to-run model. The ability to set up this car for container or trailer service is a nice touch, too. The Athearn spine car has raised the bar on intermodal models. A string of these well-proportioned cars will look great on a modern-era layout. — *Cody Grivno, associate editor*

DOMINO BENCHWORK



**MODULAR,
PORTABLE &
EXPANDABLE**

2' x 4' modules lock together to form virtually **ANY** size and shape. No tools needed for setup!

Martin and Johnson, Mfg.

38605 Adcock Place

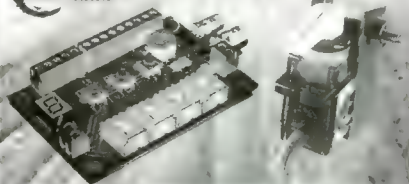
Fremont, CA 94536

510-648-9037

www.martinjohnsonmfg.com

martin-johnson-mfg@sbcglobal.net

SmartSwitch™ Slow motion turnout machine

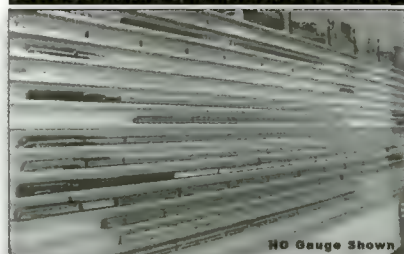


Choose your favorite speed to control your layout. Please visit us <http://www.anemodel.com> To find an ANE Model dealer near you.

SHOWCASE-EXPRESS

Wall to Wall Expandable Display Case

Case Sizes Available: Z, N, HO, S, O, G #1 & Standard



HO Gauge Shown

Lighting Kits & Backgrounds Available

Join Top to Bottom or
End to End

1-866-464-5535

www.SHOWCASE-EXPRESS.COM



Happy 75th Anniversary Model Railroader!!

McCabe Planing Shed

The McCabe Lumber Co. Planing Shed is a complex more than just a simple shed. The planing complex consists of the transfer shed, two planing buildings, boiler house, water tank, and loads of details, and is a key part of the Slatyfork Sawmill Complex. The structure can also be used as a stand-alone manufacturing industry such as a box factory.

This kit consists of laser-cut basswood, plywood, and cardstock, tarpaper roofing, brass, urethane, and white-metal detail castings, and loads of character. The tabbed, well-engineered construction provides fast and easy assembly. The footprint is about 70' x 90'.

B.T.S.

Better Than Scratch!

RR 1 Box 141A

Belington WV 26250

304-823-3729

Fax - 304-823-2901

\$5.00 S&H in the US

www.btsrr.com

Now in S & O!

| | | |
|--------|----------|-----------|
| #08225 | S Scale | \$ 349.95 |
| #18225 | O Scale | \$ 449.95 |
| #28225 | HO Scale | \$ 219.95 |

NEW Scenic Accents®

**6 NEW
HO SCALE**



Street Accessories



Wildlife Standoff



Playground Fun



Take a Hike



Wally's Wiener Wagon



Physically Challenged

**3 NEW
G SCALE**



You Dirty Dog



Whistle While He Works



Camp Couple

Purchase at your local hobby shop.



WOODLAND SCENICS www.woodlandscenics.com



**PLASTIC
MODEL
PARTS**

- Strip & Rod
- Tubing & Fittings
- Structural Shapes
- Sheet
- Diamond Plate
- Landscaping
- Trackside Kits
- Cements
- Tools

Send \$5.00 for our 152 page VOL 9 Catalog.




Plastruct
1020 S. Wallace Place, Dept. MRR07
City of Industry, CA 91748

FREE

Model Railroad UTILITIES


dallasmodelworks.com



Custom Layout Building

By Lance Mindheim

www.shelflayouts.com

The Shelf Layouts Company

301-404-8164

Product Reviews

▶▶

An MR quick look: HO scale wired line poles

Price: \$34.95
Manufacturer: Rapido Trains Inc.
 140 Applewood Crescent, Unit A
 Concord, Ontario L4K 4E2
www.rapidotrains.com

Description: plastic line poles
Comments: Pre-strung line poles? Yes. Rapido has turned a "what-if" idea into reality.

Each package contains 11 HO scale single poles and two double poles. The "wires" are rolled onto three spools nestled in a plastic jig and the loose ends are threaded through pinholes in insulators on the poles. The molded plastic poles are painted a gray-brown color and the insulators are painted white.

To install the poles, I held the foam cradle in my left hand, and with my right hand lifted the end pole out of the cradle into a hole drilled on the layout. As I pulled away from the first pole to install the second the spools unrolled and the wires slid through the remaining insulators. The pole set



is designed in a way that lets you determine pole spacing.

Once I placed the final pole, I pulled the wires snug and sealed each wire in its hole with a dab of medium-viscosity cyanoacrylate adhesive (CA) before cutting it loose from the spool.

If your layout requires a longer run of poles, Rapido suggests using the double poles from two sets placed back-to-back.

I used Rapido's poles on our Beer Line project layout (see page 44). Nearly everyone asks how we wired the poles. I just smile – and then confess that the poles came that way. – Neil Besouglhoff, editor

▶▶

An MR quick look: Z scale service station kit

Price: \$27.95
Manufacturer: Micro-Trains Line Co.
 P.O. Box 1200
 Talent, OR 97540
www.micro-trains.com

Description: Laser-cut wood kit
Comments: This Z scale service station is typical of those built throughout the United States in the 1940s and '50s. The wood kit uses tab-and-slot construction and peel-and-stick trim, window frames, and details. Printed interiors for the garage and office; cast resin gas pumps, soda chest, and tire rack; and decals for the station exterior are also included.

Though the kit is small (its footprint is 1 1/4" x 2 5/16"), it's



packed with detail. The power and gas meters are both two-piece assemblies. The vents on the roof and above the bathroom doors have milled louver detail. But most amazing to me were the accordion gate pieces cut from the window glazing material.

The kit has a hole in the base and notches in the interior walls to accommodate wires for interior lighting (not included). With this level of detail, illuminating the interior would be worthwhile.

Hats off to Micro-Trains for another great Z scale kit. This classic American-style service station would look right at home on Main Street on a transition-era layout. – C.G.

STATEMENT OF OWNERSHIP, MANAGEMENT, AND CIRCULATION

(Required by 39 USC 3685)

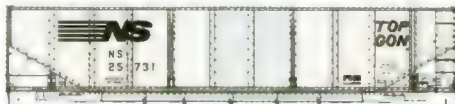
1. Publication title: Model Railroader
2. Publication No.: 529-810
3. Filing date: October 1, 2008
4. Issue frequency: monthly
5. Number of issues published annually: 12
6. Annual subscription price: \$42.95
7. Complete mailing address of known office of publication: 21027 Crossroads Circle, Waukesha, WI 53186-1612, Waukesha County
8. Complete mailing address of general business office of publisher: same
9. Publisher: Terry D. Thompson, 21027 Crossroads Circle, Waukesha, WI 53186
10. Editor: Neil Besouglou, same
11. Managing Editor: A. David Popp, same
12. Owner: Kalmbach Publishing Co., 21027 Crossroads Circle, Waukesha, WI 53186, stockholders owning or holding 1 percent or more of total amount of stock are: Gerald & Patricia Boettcher Living Trust, 8041 Warren Ave., Wauwatosa, WI 53213; William & Mary Calhoun Jr., 1706 Piattmigan Trail no. 205, Estes Park, CO 80517-9757; Ruth H O Darragh, 1200 W 3rd St., Waterloo, IA 50701; Melaine Duval, 8642 Bronson Dr. Granite Bay, CA 95746; 9113 Harold Edmonson, 6021 N. Marmora Ave., Chicago, IL 60646-3903; Susan E. Fisher Revocable Trust, 6244 N. Ventana View Place, Tucson, AZ 85750-0705; George A. Gioff, c/o Ted and Lois Stuart, 1873 Frays Mill Rd., Ruckersville, VA 22988; Elizabeth K. Grunden, 14102 Seagler Springs Lane, Houston, TX 77044; Linda H. Hanson, 363G Bateman Circle S., Barrington Hills, IL 60010; George F. Hirschmann Trust, 363G Bateman Circle S., Barrington Hills, IL 60010; James and Carol Ingles, P.O. Box 2161, Waukesha, WI 53187; Charles & Lois Kalmbach, 7435 N. Brauburn Lane, Glendale, WI 53209; Kalmbach Profit Sharing 401K Savings Plan and Trust, P.O. Box 1612, Waukesha, WI 53187-1612; James & Elizabeth King, 3874 Quail Ridge Drive, Boynton Beach, FL 33416; Mahnk Family Limited Partnership Trusts, 1979 Discovery Village Lane, Gold River, CA 95670-7279; George Steven Mahnk, 4708 Olive Oak Way, Carmichael, CA 95608; Mundscha Revocable Trusts, N24 W30420 Crystal Springs Drive, Pewaukee, WI 53072-4275; Daniel and Mary Murph, 705 Heatherly Lane, Naples, FL 34108; Robell, Inc., P.O. Box 3597, Reno, NV 89505; David M. Thornburgh Trust, 420 W. San Marino Drive, Miami Beach, FL 33139-1116
13. Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages or other securities: N/A
14. Tax status (for completion by nonprofit organizations authorized to mail at special rates): N/A
15. Publication title: Model Railroader
16. Issue date for circulation data below: September 2008
17. Extent and nature of circulation

| | Average no. copies each issue during preceding 12 months | Actual no. copies of single issue published nearest to filing date |
|---|--|--|
| a. Total number of copies (net press run) | 220,335 | 212,808 |
| b. Paid and/or requested circulation | | |
| 1. Paid or requested mail subscriptions stated on Form 3541 | 116,288 | 114,504 |
| 2. Paid in-county subscriptions stated on Form 3541 | 0 | 0 |
| 3. Sales through dealers and carriers, street vendors, counter sales, et al | 40,189 | 34,426 |
| 4. Other classes mailed through the USPS | 0 | 0 |
| c. Total paid and/or requested circulation (sum of 15b1-15b4) | 156,477 | 148,930 |
| d1-3. Free distribution by mail (samples, complimentary, or other free) | 199 | 200 |
| d4. Free or nominal rate distribution outside the mail | 0 | 0 |
| e. Total free distribution (sum of 15d1-15d4) | 199 | 200 |
| f. Total distribution (sum of 15c and 15e) | 156,676 | 149,130 |
| g. Copies not distributed | 63,659 | 63,678 |
| h. Total (sum of 15f and 15g) | 220,335 | 212,808 |
| i. Percent paid and/or requested circulation: | 99.87% | 99.87% |

16. This statement of ownership will be printed in the January 2009 issue of this publication.
17. I certify that the information above is true and complete. Michael Barbee, Corporate Circulation Director. Date: September 26, 2008



Easily identified as one of the most recognizable freight cars on the Norfolk Southern roster, the TopGon fleet of 18,000+ cars have been seen in nearly all corners of the country on all major railroads. Pre-order today!



Pre-Order Today Through Your Favorite Dealer!

Features: Coming Early 2009

- ✓ HO & N Scale!
- ✓ 100% Ready-To-Run
- ✓ Fine-Scale Detail
- ✓ Accurately Painted/Printed
- ✓ Installed Internal Bracing
- ✓ Prototypical Ride Height
- ✓ Etched-Metal Brake Platform
- ✓ First Run - 36 Road Numbers!

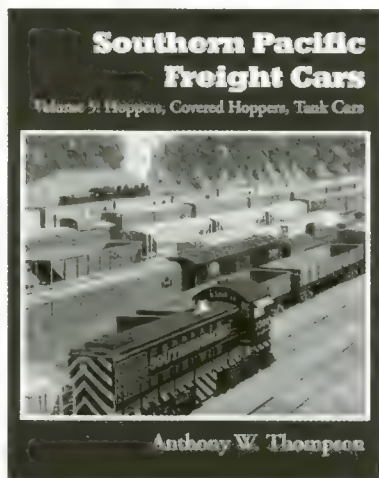
Modern Billboards!

- ✓ Pre-Assembled
- ✓ Etched-Metal Walkways
- ✓ Pre-Printed Ads Included
- ✓ All-New Tooling
- ✓ Generic Prototype
- ✓ Molded-In Color

NS scale #520 HO scale #4320

BLMA MODELS **BLMAmodels.com**

Fine Railroad History from Signature Press



Southern Pacific Freight Cars, Volume 5: Hoppers, Covered Hoppers, Tank Cars

Anthony W. Thompson

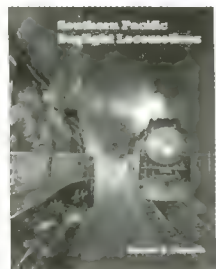
This is the concluding volume in an outstanding treatise on all freight cars of the SP, with previous volumes having covered gondolas and stock cars (Vol. 1), cabooses (Vol. 2), automobile cars and flat cars (Vol. 3), and box cars (Vol. 4). These are the definitive works on the subject, with detailed rosters and extensive photography and service data. Vol. 5: 448 pages, 578 photos (77 in color), 110 drawings, bibliography, index. Price: \$70

Other outstanding books:

Billboard Refrigerator Cars,

Richard H. Hendrickson and Edward S. Kaminski

Long a subject of great interest but often misunderstood, among historians, railfans and modelers, the topic deserves this full examination by the authors, expert freight car historians both, with coverage from the peak of the billboard era in the 1920s into the 1950s. 224 pages, 440 photos, bibliography, index. Price: \$60



Southern Pacific Daylight Locomotives,

Robert J. Church

A history of the design, construction, maintenance and system-wide operation of all of SP's superb and distinctive 4-8-4 locomotives. 434 pages, 731 photos, 39 drawings, bibliography, index. Price: \$70

Free shipping, domestic individual orders

(\$25 shipping for foreign individual orders, Canada \$20)

California residents add 7.75% sales tax per book.

SIGNATURE PRESS

Order direct: to 11508 Green Rd, Wilton, CA 95693, or order securely at our site, www.signaturepress.com, or place your order by telephone at 1-800-305-7942

DEALER INQUIRIES INVITED
information on our other 29 books is at our web site

BPL BRASSWORKS

Buy | Sell | Trade | Consign

On the web at: **WWW.RAILMODEL.COM**

Providing the Best in Fine Scale Brass Models - painted and unpainted Steam, Diesel, Rolling stock, Passenger cars, Caboose and Structures. Support in the supply of high quality HO, N and O models from major importers, such as: Challenger, Coach Yard, Division Point, Key Imports, Glacier Park, Oriental, North Bank Line, Overland, Precision Scale, Sunset, Railway Classics, W&R

EXCLUSIVE - BPL is The source for GN Alco RS-3 diesels in original 'Empire Builder' livery. We are close to sold out, only 3 units are still available. Call before they disappear!

We are always looking for models to sell. If you want to sell, trade or consign a few pieces, a small collection or an entire estate, we would enjoy the opportunity to help you!

SALE... ...Did he say sale?

Sort of! As a bonus this holiday season, we will be opening up our hearts and working a bit more diligently to help you get just the model you want. We won't be changing the prices as listed, but we will be taking offers from you on most in stock and available items. Just by asking, you may be able to save some hard earned money. 5% - 10% - 20%? You won't know until you call! Offer good until January 31, 2009.

| | |
|--------------------------------|------------------------------------|
| In Stock and Available: | Reserve any of these items: |
| HO AT&SF SD24, Blk/Silver | HO 3GS21B Genset switchers |
| CB&Q NE10/12/13 Cabs, FP | Army, BNSF, NRE, NS, UP, PHL |
| CV T-3a 2-10-4, FP - DivPt | EMD SDP45 - BN, GN, SP |
| GN / SP&S Gondolas - W&R | Modern EMD Executive F unit |
| Monon Quasi-Cupola Cab, FP | sets: BN, CP, CNW, KCS, NS |
| NH T-2b 0-6-0, FP Black - OMI | NYC L-4a/b 4-8-2, FP - BLI |
| NP LW Divided Coach and | N&W K-2 4-8-2, FP - PSC |
| 72 seat Coach, Plated, FP | SP Mk-7/8/9 2-8-2, FP - NBL |
| SP C-9/10 2-8-0, FP - CHL | SP Mt-3/4/5 4-8-2, FP - GPM |
| SRW GP30, High Hood, FP | UP - Modern Dome Excursion |
| SSW Cotton Belt SD45T-2, FP | Passenger cars: Coach, Diner, |
| UP City of St. Louis, 10 cars, | Lounge, Baggage, FP - OMI |
| Lighted tail sign TCY - New | UP Lone Star business car, FP |
| UP AC45CCTE 5300 ser. FP | EMD SD40T-2/SD45T-2 for |
| UP #80 Coal Turbine - OMI | D&RGW, SP, SSW, UP, FP - OMI |

Our prices and service make owning new brass a joy. **FREE CATALOG!** Worldwide Call, Leave Message, E-Mail, Write, Fax or search the Web at **WWW.RAILMODEL.COM**. We look forward to hearing from you!

10936 N Port Washington
Suite 240
Mequon, WI 53092-5031
Phone: (262) 375-1107
FAX: (262) 375-1109
Email: info@railmodel.com

Whether You're 6 or 60+...



If You Love Model Trains, You're Going to Love Us!
We're the **Train Collectors Association™**.
Our members enjoy...

- A network of 30,000 train enthusiasts, just like you.
- TCA Train Meets – including York!
- TCA Quarterly Magazine
- TCA X-Change – on-line marketplace
- E-Train – on-line newsletter
- National Toy Train Museum, Strasburg, PA
- *and Friendships that Last a Lifetime!*

Plus so much more!

Call the Train Collectors Association
for your membership application today!
(717) 687-8623
Or visit us on-line at www.tcamembers.org



Planning a New Layout? Think Narrow Gauge!!



Modeling in narrow gauge allows for a lot of railroad in a smaller space, running on tighter curves and steeper grades than many of its standard gauge counterparts. If you are planning a new layout, consider narrow gauge! And Blackstone Models can help!

Blackstone Models is pleased to offer the 3-foot gauge 2-8-2 K-27 Mikado, faithfully reproduced in HO_{N3} scale featuring die-cast construction and over 100 hand-placed individual detail parts. Our K-27 is available in both inboard and outboard piston valve versions, each equipped with engine-specific cabs, pilots and tenders. No two are exactly alike, and because they are priced so affordably, you can have a fleet of these sturdy little engines! Designed for operational reliability with enhanced electrical pickup, a minimum operating radius of 18" and realistic slow speed operation - this will be your best runner! It is optionally available with a full-featured 16-bit SoundTraxx® Tsunami® Digital Sound Decoder that will operate on both DC and DCC controlled layouts. The K-27 is available in a painted, unlettered version, as well as popular road numbers for Denver and Rio Grande Western and Rio Grande Southern Railroads.

But don't stop there! Check out our selection of HO_{N3} 3000 Series D&RGW Boxcars, 5500 Series D&RGW Stock Cars and 6000 Series Flatcars! Already equipped with Kadec® No. 714 Couplers, these cars are ready for work as soon as they hit the rails! Constructed with a die-cast chassis and free-rolling arch bar trucks with blackened metal wheels, other appearance features includes accurately placed and scaled hardware, underbody detailing, and fine nut and bolt applications.

Narrow Gauge - No Waiting! You can start building your train immediately!

Blackstone Models™

A DIVISION OF SOUNDTRAXX
210 Rock Point Drive, Durango, Colorado 81301 (970) 259-0690 Fax: (970) 259-0691
Visit our website at www.blackstonemodels.com

831 NW 143RD STREET MIAMI, FL 33168-3017

Tel: (305) 688-8868 Fax: (305) 948-0339

E-Mail: rtrtrains@aol.com

www.ReadyToRollTrains.com

ORDER LINE: 1-877-RTR-TRNS (787-8767)

SUN 10-1 MON 11-5 TUE-FRI 10-6 SAT 9-6



KATO N-SCALE SPECIALS

AMTRAK SUPERLINER PACKAGE
F-40PH 2-PK+BOTH SUPERLINER 4-PKS **\$284.99**

SP "DAYLIGHT" PACKAGE

4-8-4 GS-4 #4449 + 10-CAR SET **\$314.99**
4-8-4 GS-4 #4449 + 18-CAR SET **\$454.99**

MAKE US YOUR SOURCE FOR HO-SCALE SOUND-EQUIPPED ENGINES

ATHEARN GENESIS ENGINES

4-6-6-4 UNION PACIFIC CHALLENGER 287.99
4-8-4 UNION PACIFIC FEF-2 OR -3 319.99
F-3 AB SET PRR FREIGHT (BOTH POWER) 289.99
F-7 AB SET B&O SP (BOTH POWERED) 289.99
F-9 AB SET NP FREIGHT (BOTH POWERED) 289.99
F-7 ABA UNION PACIFIC (Ph1 FREIGHT) 474.99

ATLAS "GOLD EDITION" DIESEL ENGINES

SCL SDP-35 OR SRR SD-24 159.99
SANTA FE B23-7 149.99
SANTA FE OR UNION PACIFIC 8-40CW 214.99
MP-15DC AMT CNW CP CSX NS SRR 219.99
GP40-2 ARR, CHESSIE, CONRAIL 219.99
WORLD-WIDE SHIPPING
Available-Give Us A Call

MTH PRR K-4 PRE- OR POST-WAR

2-8-2 MIKADO B&O, NYC, PRR, UP 329.99
NYC 4-8-2 MOHAWK 399.99
GS-4 SP, B N S F, AFT 399.99
SP "DAYLIGHT" 8-CAR PASS SET 389.99
ADD-ON ARTICULATED COACH SET 449.99
ADD-ON CHAIR PASSENGER CAR 119.99
SD-70ACe MULTIPLE NAMES & NUMBERS 64.99
BLACKSTONE MODELS HOn3 229.99

BLACKSTONE MODELS HOn3

K-27 2-8-2 D & R G W 349.99
BLUENINE SOUND-EQUIPPED (w/o DCC) 209.99
C & O T-1 2-10-4 279.99
N & W CLASS A 2-6-6-2

PROTO-2000 HERITAGE STEAM

0-8-0 SOUTHERN RR 239.99
2-10-2 BLE, C&S, ERIE, PRR 284.99

PROTO-2000 DIESELS

F-7AB ATSF, DRGW, NYC, PRR, UP 279.99
GP-7 CHESSIE OR PRR 169.99
GP-20 OR GP-30 OR RS-27 189.99
H10-44 CNJ MR NKP NYC 159.99
U-30B ACL OR SAL 139.99
SW-8/900 CR N&W SP 185.99
KATO UP SD38-2 OR AMT F40PH 179.99
RIVAROSI C&O ALLEGHENY 399.99
PRECISIONCRAFT PRR 11SA 359.99

Prices listed are for mail order only and subject to change. Quantities are limited. Not responsible for errors in printing. Florida residents add sales tax. Non-refundable UPS shipping charges additional; minimum shipping charge \$9.00. 10-day returns for unused goods; 15% restocking fee.



3 NEW HO SCALE AUTOSCENES



WOODLAND SCENICS

www.woodlandscenics.com

Purchase at your local hobby shop.



SIGN SLINGERS



LUMPY'S COAL COMPANY



BAD BOY BIKERS

Making Your Dream Layout a Reality!

Museum Quality Custom Model Railroad Builders

Catering Exclusively to the Discriminating Enthusiast



from N Scale to G Scale... We Do It All!

Discover the excitement of a SMARTT professionally designed and built layout that will deliver a lifetime of pleasure.



Scale Models, Arts, &
Technologies,
Inc.

P.O. Box 600505
N. Miami Beach,
Florida 33160

Tel. 305-949-1706
Fax 305-947-7458

Home Page
www.smarttinc.com

Train Layouts
www.smarttRR.com

Congratulations

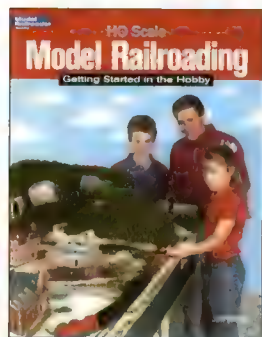


from SMARTT, Inc.

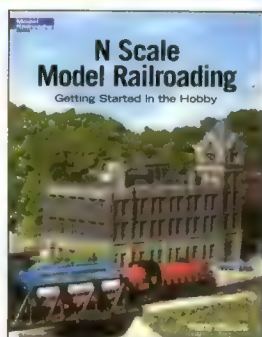
Every Railroad Starts FROM THE GROUND UP

These beneficial guides show readers how

GETTING STARTED



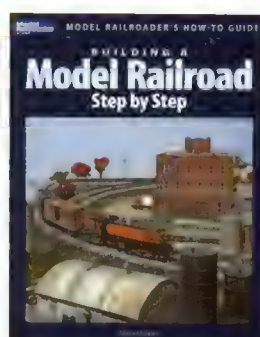
Learn the basics of H0 scale modeling starting with benchwork and ending with realistic scenery. 96 pages.
12246 • \$19.95



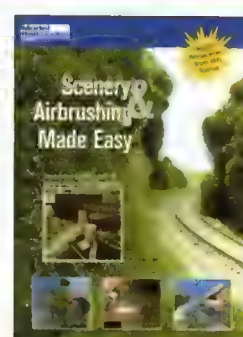
Photos and illustrations teach how N scale is unique in everything from benchwork to realistic scenery. 104 pages.
12205 • \$19.95



Simple tips and techniques, detailed photos, diagrams, and drawings teach the basics of model railroading. 80 pages.
12197 • \$17.95



More than 30 short projects teach the process of building benchwork to operating realistically. 112 pages.
12418 • \$21.95



Learn everything you need to know about building fantastic layout scenery and the art of airbrushing with acrylic paints. 120 minutes.
15060 • \$29.95

TRACK PLANNING



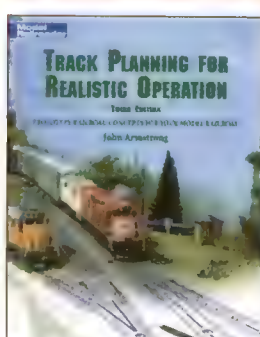
Learn how to plan and build basic framework to support layouts of any size, shape or gauge. 80 pages.
12175 • \$16.95



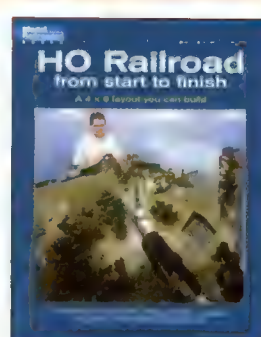
Includes photos, diagrams, and material lists for plans ranging from small modules to room-sized layouts. 120 pages.
12132 • \$18.95



Convert plans to different scales, build a layout from a plan, and choose the plan suited for your space. 72 pages.
12012 • \$14.95



Learn how to plan a railroad with freight and passenger operations, route design, and contemporary operations. 144 pages.
12148 • \$21.95



Photos, diagrams, and instructions show how to build benchwork, scenery and structures, lay track, and more. 88 pages.
12121 • \$17.95

www.ModelRailroaderBooks.com

Available at hobby shops.

To find a store near you visit www.HobbyRetailer.com

Call 1-800-533-6644

Mon-Fri, 8:30am-5:00pm Central Time Outside the U.S. and Canada, call 262-796-8776.

PMK-ADH-08X1023RH

**Model
Railroader
BOOKS**

M2080



**Congratulations
Model Railroader
Magazine! 75 great
years of service to the
hobby.**

www.sdmrm.org

Children under 15 FREE Adults \$6
Tues.-Fri. 11am-4pm 1649 El Prado
Sat, Sun. 11am-5pm in Balboa Park
619-696-0199 San Diego, CA

CLASSIC TOY TRAINS

MAGAZINE

IN JANUARY'S ISSUE

Build the Cascade & Timber Trail Ry.

We start building our scenic
4 x 8-foot O gauge railroad

Mountain magic

Attention to detail created a
stunning O gauge layout

Wire a modern signal

Simple technique, great result

ON SALE NOW! Subscribe Today!

1-800-533-6644

Order online at
www.ClassicToyTrains.com



ZoneMaster™ DCC Boosters

- ☑ Works with all DCC Systems - absolutely no programming needed
- ☑ ZoneMasters have 30 Amp Surge Capacity with max output of 7 Amps
- ☑ ZoneMasters offer opto-coupled or low-level DCC bus inputs
- ☑ ZoneShare has 4 independent outputs with 1 autoreversing output

ZoneShare with Enclosure* [4+AR] [#outputs+Autoreverse] .. ZS4E..... \$ 179.95

ZoneShare w/o Enclosure* [4+AR] Z4SX..... \$ 129.95

ZoneMaster-Dual** [2+AR]..... DZB7 \$ 149.95

ZoneMaster-Single w/Autoreverse** [1+AR]..... SZB7-AR \$ 89.95

ZoneMaster-Single** [1]..... SZB7..... \$ 79.95

Power Supply, 120 Watt, 15-24VDC DCPS120 \$ 55.00

*Requires External Booster For Power and DCC Signal ** Requires DCPS120 Power Supply

CVP Products • P.O. Box 835772 • Richardson, TX 75083 • www.cvpusa.com



Big-E 2009

Amherst Railway Society
W. Springfield, Mass.

January 24-25, 2009

- QSI Sound Demos
- Q Revolution in stock!
- Show Specials
- Decoders Installed

Hard Times DCC Sale

DIGITRAX

STARTER SETS

| | LIST | SALE |
|---------------------|--------|--------|
| Zephyr | 199.99 | 149.95 |
| S. Emp. Builder | 349.99 | 259.95 |
| Super Chief | 449.99 | 339.95 |
| Super Chief 8A | 469.99 | 359.95 |
| Radio S. E. Builder | 549.99 | 419.95 |
| Radio S. Chief 5A | 639.99 | 469.95 |
| Radio S. Chief 8A | 659.99 | 479.95 |
| THROTTLES | | |
| DT400 | 179.99 | 134.95 |
| DT400R | 229.99 | 169.95 |

NCE CORP

STARTER SETS

| | LIST | SALE |
|----------------|--------|--------|
| PowerCab | 189.95 | 149.95 |
| Power Pro | 529.95 | 412.95 |
| Power Pro 10 | 649.95 | 506.95 |
| Power Pro-R | 699.95 | 545.95 |
| Power Pro 10-R | 849.95 | 662.95 |
| THROTTLES | | |
| Cab-04PR | 179.95 | 139.95 |
| Cab-04P | 89.95 | 71.95 |
| Pro Cab | 159.95 | 124.95 |
| Pro Cab-R | 249.95 | 194.95 |

LENZ

SETS & CABS

| | LIST | SALE |
|----------------|--------|--------|
| SET-90 | 290.00 | 219.95 |
| SET-100 | 349.00 | 269.95 |
| LH90 Cab | 99.95 | 74.95 |
| LH100 Prog Cab | 199.95 | 149.95 |

MRC

| | | |
|------------------------|--------|--------|
| Prodigy Adv 2 Wireless | 599.98 | 329.95 |
| Prodigy Adv W/less Cab | 189.98 | 109.95 |
| Prodigy Advance 2 | 359.98 | 199.95 |
| Advanced 2 Cab | 109.98 | 79.95 |



Pinebrook Plaza, 57 River Rd, Suite 1023
Essex Junction, VT 05452
info@TonysTrains.com • fax: 802-878-5550

- * FIRST in DCC Sales & Support
- * Installations and Loco Work
- * Club Demos & Discounts
- * We Guarantee Your Satisfaction

800-978-3472

INFO, QUESTIONS, CATALOGUE
TonysTrains.com



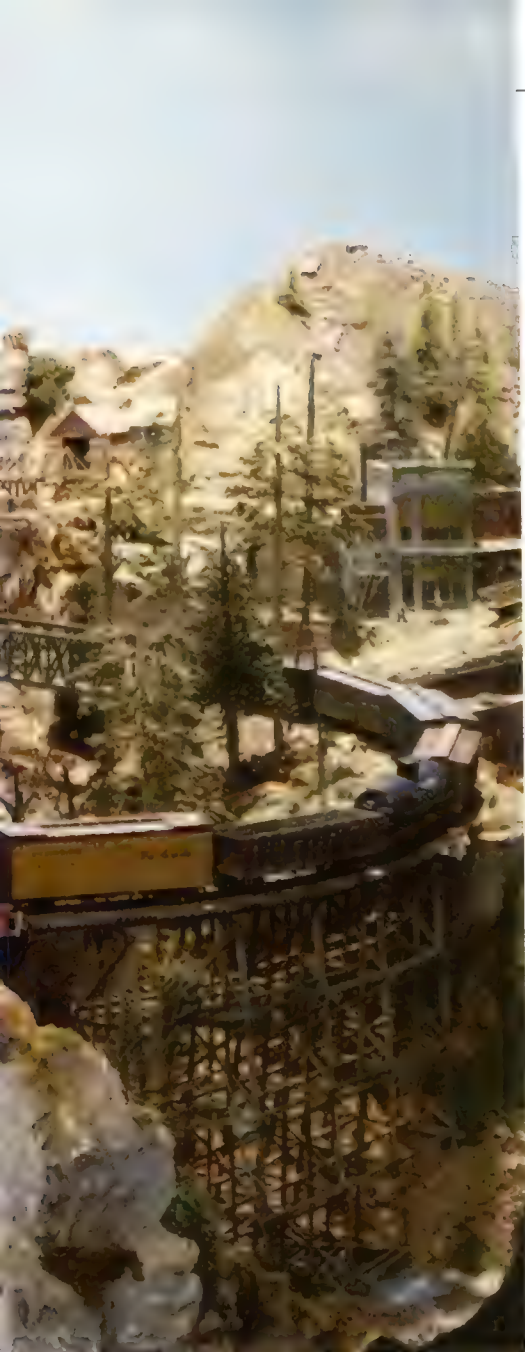
Trackside Photos



This special 75th anniversary issue of *Model Railroader* includes the last installment of our yearlong series, Landmark Layouts. However, MR has looked at many other equally notable layouts over the years, more than could be included in that series. Therefore, this 75th anniversary edition of Trackside Photos takes a look at some other important model railroads whose impact on the hobby should not be overlooked.

Want to see your work in Trackside Photos?

Trackside Photos is a showcase for the work of *Model Railroader* readers. We encourage contributions. Send your photos (original color slides, 8" x 10" glossy color prints, or digital images 5 megapixels or better on CD-ROM) to: *Model Railroader*, Trackside Photos, P.O. Box 1612, Waukesha, WI 53187-1612. Include caption information, such as a description of what's going on in the picture; the name, scale, era, and locale of the layout; and information about the rolling stock or structures pictured. For a copy of our photo submission guidelines, contact editorial associate Eric Stelpflug at 262-796-8776, ext. 583, or mrmag@mrmag.com.



Professional photographer, musician, artist, and writer Malcolm Furlow brought his artistic touch to *Model Railroader's* 1983 project railroad with the HO_{n3} San Juan Central. Riding the Durango & Silverton and other narrow gauge tourist lines inspired the Colorado-themed layout. Malcolm, of Tres Piedras, N.M., took the photo.



Some railroaders get more space out of their layout room by building two levels. A few add a third deck for additional operation. Bruce Chubb's Sunset Valley Oregon System has four. Bruce, of Grand Rapids, Mich., models 10 railroads on his HO scale layout.

David Popp photo



Trackside Photos



Pelle Søbørg of Denmark is best known for the desert scenery on his HO scale Union Pacific Daneville and Donner River Subdivisions, but his photo of the rugged Donner River portion of his layout shows Pelle's skills at modeling mountains, too.

We generally don't toot our own horn, but we would be remiss if we didn't mention the subject of more MR articles than any other: the HO scale Milwaukee, Racine & Troy, Kalmbach Publishing Co.'s club layout. This scene shows Mukwonago on the original MR&T in Milwaukee. Many of the buildings seen here were saved for the new MR&T built after Kalmbach moved to suburban Waukesha, Wis.

A.L. Schmidt photo



Few model railroaders have had a greater impact on the hobby than *Model Railroader's* own senior editor, Jim Hediger. For more than 36 years, Jim has been telling MR readers about modeling, operations, painting, track planning, and prototype railroads. His double-deck HO scale Ohio Southern RR turned 25 in 2005. Jim made this shot for the cover of the September 2005 issue, when he gave us a silver anniversary look back.

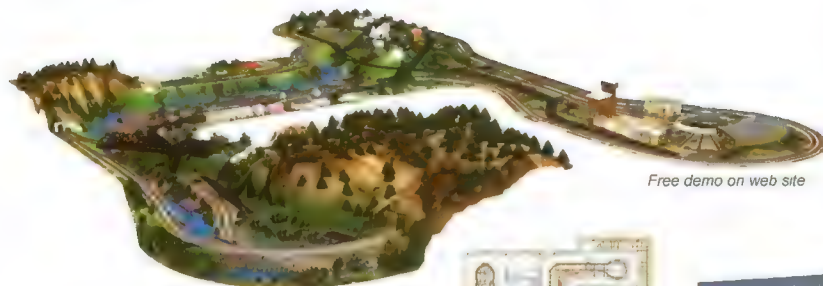


3rd PlanIt™

The Premier Track Planning Tool for All Scales

If you're getting ready to plan your railroad, make sure you have the world's most comprehensive software to help bring your design to life! 3rd PlanIt supports flex, hand-laid and sectional track, benchwork, terrain, landscape, rolling stock and more. A large selection of track libraries lets you pick your favorite manufacturer and start designing today!

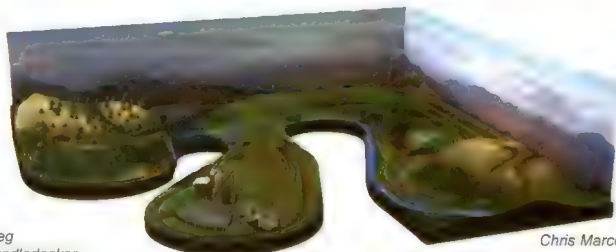
3rd PlanIt's 3D rendering is unsurpassed in speed and clarity, to let you review your plan in detail. Automatic easements, advanced connection tools, object lists, DXF/3DS import with terrain conforming, clearance checking, and a host of other features help you plan your dream layout with confidence!



Free demo on web site



Greg Shindledecker



Chris Marco

El Dorado Software

1520 E. Covell B-5 PMB #234

Davis, CA 95616

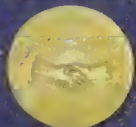
530.792.1990

www.TrackPlanning.com

N SCALE PRESIDENTIAL SERIES

Micro-Trains has brought an exciting new series to N scale collecting with the Presidential Series. The series continues with the third president of the United States, Thomas Jefferson. Each car features the Presidential Seal, the president's portrait, and the American flag as it was at that time. Each release will also include a one inch diameter commemorative button for that particular president! Cars will be released each month in the same order of their presidency.

Don't miss out on this popular series; place your order with your dealer today!



Thomas Jefferson's commemorative button



NOW AVAILABLE

#074 00 103...\$23.95



Available through your local authorized Micro-Trains dealer
©2009 Micro-Trains Line Co. • P.O. Box 1200, Talent OR 97540-1200 USA
Web: www.micro-trains.com • Email: mtl@micro-trains.com



Watch your Hobby Come Alive at www.ModelRailroader.com

Just click to access:

- Reader forums
- MR Express
- Weekly e-newsletters
- Product and hobby news
- Downloadable articles

Magazine subscribers have additional access to:

- New product reviews before they appear in the magazine
- Bonus articles
- How-to videos
- Product demo videos
- And more

Visit www.ModelRailroader.com today!

**Model
Railroader**
ONLINE



Manage Your Account Online

Visit Kalmbach Publishing Co.'s
Online Customer Service Center

**Model
Railroader
MAGAZINE**

- Change Address or E-mail Address
- Report Damaged or Missing Issues
- Pay Bill
- Subscribe
- Renew Subscription
- Check Expiration of Subscription
- Check Payment Status
- E-mail Newsletter Management

www.Kalmbach.com/help

Access and manage your account online (Registration Required)

Complete HO/N
System at Home

Deluxe Pro Cab
at the Club



NCE's NEW Power Cab is a complete, high end, 2 Amp DCC system in one compact hand-held throttle. Operate lights, sounds, program and more.

Your Power Cab also doubles as a regular Deluxe Pro Cab when you operate at a layout with our larger system.



NCE Corporation
At your favorite DCC Dealer - NOW!
www.ncedcc.com

\$189.95

Patents Pending MSRP

SUNBIRD TRAIN MART

OUR 19TH YEAR

www.sunbirdtrainmart.com

3311 North Academy Blvd.

Colorado Springs, CO 80917

HO LOCOS IN STOCK

| | |
|---|-----|
| PROTO 2000 30830 Chessie/B&O SD-50. | 105 |
| 30831/2 Chessie/C&O SD-50 | 105 |
| 215221 EMD Demo GP-30, 2 nos. | 75 |
| 23438 Erie FA-1 A/B set | 144 |
| 30042 GN SD-9 Empire Builder | 75 |
| 30749 GN SD-45 | 105 |
| 30216/7 GM&O 0-6-0, 2 nos. | 180 |
| 30782 GM&O GP38-2, 2 nos. | 105 |
| 23311 IHB 0-8-0 Heritage | 179 |
| 23462/3 LV FA-1 A/B, 2 nos. | 144 |
| 23430 MILW E6A | 85 |
| 30150 MILW SD-7 | 75 |
| 23307 MP 0-8-0 Heritage | 179 |
| 23443 MP FA A/B set | 135 |
| 30837/8 MP SD-50, 2 nos. | 105 |
| 23380 NH 0-8-0 Heritage | 179 |
| 30521 NKP GP-18, 2 nos. | 99 |
| 30178 N-S SD-60M, 2 window | 105 |
| 23337/8 N&W 2-8-8-2 2 nos. | 316 |
| 23340/1 PRR 2-8-8-2, 2 nos. | 316 |
| 23466 PRR FA A/B set | 135 |
| 30498 PRR PA/PB set | 150 |
| 23312 PM 0-8-0 Heritage | 179 |
| 30244 Rock Island 0-6-0 Heritage | 180 |
| 30240 UP 0-6-0 Heritage | 180 |
| 23237/8 UP E-6A/B, 2 nos. | 120 |
| 23452 UP FA A/B set, like new | 99 |
| 30555/6 UP GP-60, 2 nos. | 99 |
| 30554 UP GP-60, 'lightning' | 99 |
| 30151-3 UP SD-7, 3 nos. | 75 |
| 23514 UP SD-60 | 85 |
| 23345 VGN 2-8-8-2 Heritage | 316 |

We honor Visa/Mastercard/AX; min. ship \$8.95

Orders: 800-274-6179; Open 7 days!

Phone: 719-574-2080; Fax 719-574-2115

CUSTOM MODEL RAILROADS

Kits
HO & N Scale

Custom Built
Structures

Construction
of Fine Scale
Model Railroads



CITY
STRUCTURE
KITS NOW IN
N & HO

Custom Model Railroads
3937 Keswick Road
Baltimore, MD 21211
410-889-0010

[www • custommodelrailroads • com](http://www.custommodelrailroads.com)



www.1stPlaceHobbies.com

All your model railroading supplies at super discounted prices!

Toll Free: 1-888-750-7256

Mon.-Fri. 10:00am - 5:00pm EST

Nearly 100,000 items online - 400 Manufacturers - 21 Separate Categories
Secure online ordering - Full Search Enabled - Easy Navigation - Order Tracking

| | | | |
|---------|-----------------------------|--------|------------------------|
| 6,400+ | Locomotives | 3,700+ | Scratch building items |
| 16,100+ | Freight Cars | 750+ | Signals & Signs |
| 4,400+ | Passenger Cars | 2,300+ | Couplers & Trucks |
| 5,500+ | Structures | 1,900+ | Paints & Supplies |
| 3,500+ | Track items | 6,900+ | Books & Videos |
| 4,900+ | Scenery items | 2,400+ | Tools |
| 14,000+ | Super detailing parts | 6,100+ | Decals |
| 2,700+ | Electrical/Power components | 2,000+ | Adhesives/Solvents |
| 570+ | Train sets | 240+ | Streetcars & Trolleys |
| 7,200+ | Vehicles | 250+ | Circus items |
| 2,800+ | Figures | | |

Our website is updated everyday so that the most current products are always available to you.
No matter what scale you model, you will find everything you need right here.

Discounts up to 40% - All scales available

THE CABOOSE, LLC

5 MOHAWK DRIVE • WOLCOTT, CT 06716
(203) 879-9797 • FAX (203) 879-4878
<http://www.thecaboose.com>
E-mail: support@thecaboose.com
Mon. thru Fri. 8 a.m. to 5 p.m., Closed Saturday & Sunday

Overland Models will be producing the following Boston & Maine P-3a 4-6-2 models. They will be factory painted, lettered, DCC ready. They will arrive early in 2009.
RESERVE YOUR B&M P-3a 4-6-2 FROM THE CABOOSE.

#3700 (1) Black/Graphite w/ square herald on tender, late 1920s to 1940s era, continuous boiler handrails, number boards under headlight, cast pilot steps.
Model #AD-1108.1

#3702 (1), 3703 (2) Black/Graphite w/square herald on tender, late 1920s to late 1940s era, continuous boiler handrails, number boards on smokebox front, cast pilot steps. Model #AD-1109.1 #1109.2

#3704 (1), 3706 (2) Black/Graphite w/ square herald on tender, late 1920s to late 1940s era, multiple piece boiler handrails, number boards on smokebox top, cast pilot steps. Model #AS-1110.1 #1110.2

#3708 (1), 3709 (2) Black/Graphite/Red w/Speed lettering on tender, late 1940s to early 1950s era, continuous boiler handrails, number boards on smokebox top, footboard pilot steps. Model #AD-1111.1 #1111.2

#3702 (1), 3705 (2) Black/Graphite/Red w/Speed lettering on tender, late 1940s to early 1950s era, Continuous boiler handrails, number boards on smokebox top, footboard pilot steps, Boxpok main drivers. Model #AD-1112.1 #1112.2

#3707 (1) Black/Graphite/Red w/Speed lettering on tender, late 1940s to early 1950s era, multiple piece boiler handrails, number boards on smokebox top, footboard pilot steps, Boxpok main drivers. Model #AD-1113.1



JANUARY '09

**10 locomotives that
changed railroading**
Steam to diesel!

**Velocity: What it is and
why it's important**
All about the industry standard

SUBSCRIBE TODAY! 1-800-533-6644

Order online at
www.TrainsMag.com

Trains of Thought

Visiting an old friend

Tony Koester



Monon BL2 no. 32, a 1948 graduate of General Motor's Electro-Motive Division plant near Chicago, still works for a living at the Kentucky Ry. Museum in New Haven, Ky. Tony Koester photo

I was a railfan from my youngest years, as far as I can recall, spending summer days along the Minneapolis & St. Louis and, less often, the Rock Island main lines, which bracketed the east and west sides of Sheffield, Iowa. But it wasn't until we moved to Cayuga, Ind., in 1951 (I was nine then) that my interest in railroads really perked up.

No mystery there: The Nickel Plate Road was still running Berkshires and Mikados through town. Single Alco PA-1s graced passenger trains 9 and 10. The Chicago & Eastern Illinois' double-track Chicago – Evansville main, which crossed the NKP, provided a different form of entertainment: E7s and FP7s on passenger trains and Fs and Geeps on freights.

The C&EI local was often powered by an Electro-Motive Division BL2. I got my second cab ride in one of them as it switched the NKP interchange and Thompson's grain elevator in Cayuga.

The BL2 was both an odd-looking and somewhat rare locomotive – expensive to build and redundant after the general-purpose “Geep” debuted. Its “chain-drive” styling resulted from trying to keep the

corner steps visible from the cab for safety during branchline (hence the “BL” designation) switching work.

To me, however, they were perfectly ordinary engines – best sellers, I came to assume, as they seemed to be everywhere I lived or visited: the Rock Island in Iowa, the C&EI in Cayuga, the Monon in Michigan City and Lafayette, Ind., the Western Maryland and Bangor & Aroostook on early railfan jaunts.

The BL2s I came to know best were the Monon's. In 1958, dad took a job in Chicago, so we moved to Long Beach, Ind., a suburb of Michigan City near the north end of the Monon's original main line. A pair of BL2s was typical power on many “City” freights.

In 1961, wife Judy and I headed to Purdue in West Lafayette, not far from the Monon Shops and the railroad's largest classification yard – and its BL2s.

The railroad had nine of the 1500-hp BL2s, 30-38, acquired in 1948 and '49. I got to know them well during my college years, but by the late 1960s they had departed to new jobs or had been traded in to Alco. One of them, however, was destined for stardom of a sort:

No. 32 found a new home at the Kentucky Ry. Museum in New Haven, Ky., where the veteran EMD now powers tourist trains over a scenic 22-mile main line. The museum is also home to Louisville & Nashville 4-6-2 152 (a 1905 Rogers graduate), Santa Fe CF7 2546, L&N E6A 770, an ex-Army H-12-44, and Chesapeake & Ohio Kanawha (2-8-4) 2716.

The opportunity to visit an old friend occurred in April 2007 when I was invited to give a talk at a National Model Railroad Association Mid-Central Region convention in Louisville. During an all-day tour we enjoyed a ride behind the 32.

I walked around my old friend, happy to see the engine so well cared for and a fine example of the Monon's use of Purdue's black and gold colors on freight engines. (Passenger diesels and cars were originally painted in two-tone gray and crimson with white stripes, a tribute to Indiana University on the south half of the railroad in Bloomington.) It isn't a stuffed-and-mounted indoor museum display (no offense – indoor exhibits have their place) but rather proudly works outdoors for a decent wage.

My Nickel Plate Road layout has two interchanges with the Monon (still officially the Chicago, Indianapolis & Louisville with CIL reporting marks in 1954). You can bet there will be a BL2 or two working the interchanges. One of them, a Proto 2000 factory-painted model detailed and weathered by Monon modeler Mont Switzer, is already on the railroad. But 32 has yet to be modeled. (I'll use Mont's example as a benchmark.)

My meeting with an old friend illustrates a key aspect of the potential of our modeling. A model can be an end in itself, a satisfying example of what we can do with our time and talent, especially if it has a personal and historical context beyond the quality of the model itself. In this case, a model of BL2 no. 32 will evoke pleasant memories of Michigan City, Lafayette, and now New Haven.

You can't expect much more from a model, or a hobby, than that. **MR**

HAWKINS RAIL 25 YEARS OF SERVICE

GRAIN IS MOVING AT HAWKINS RAIL! - See 130 car unit grain train running on the in-store layout. Many out of production items from estates. Providing same day shipment for 25 years! Call Jack Hawkins at 765-742-5577

Same complete inventory at our NEW LOCATION:
3501 Union St., Suite 6. Everything for the serious modeler.

Hours: Mon-Fri 12-5, Sat 10-5

Closed Sun. Evenings by appointment.

ALL MODELS SUBJECT TO PRIOR SALE.

WE DO NOT HAVE A CATALOG. We ask that you call us or send us your want list with SSAE. We will advise you of the price, availability, and shipping charges. International shipments made only to countries accepting insured mail. We have no minimum order. Personal check orders are held 4 weeks. MASTERCARD and VISA accepted. Sorry, collect calls are not accepted, but feel free to call with your railroad questions, model or prototype.



**HAWKINS
RAIL
SERVICES**

3501 Union St., Suite 6
P.O. BOX 6008
LAFAYETTE, IN 47903
PHONE: 765-742-5577

RAIL CLEANERS (THE ONES THAT WORK)



**NON ABRASIVE NON DERAILING
CLEANS RAILS AND WHEELS
ENGINES RUN SMOOTHER**

**NO MISSED SPOTS, EVEN IN TUNNELS
GAUGES - N, HO, OO, S, SN3, O, G**

A PATENTED BETTER IDEA FROM

CENTERLINE PRODUCTS, LLC

1229 E. 4TH STREET, RENO, NV 89512

TEL (775) 337-6662 FAX (775) 337-6663

www.centerline-products.com

info@centerline-products.com

NICHOLAS SMITH TRAINS

2343 West Chester Pike • Broomall, PA 19008

(610) 353-8585 • ESTABLISHED 1909

MINIMUM ORDER: \$30.00 • 10% Restocking charge on returns.

For orders only, dial (800) 848-9119 • Fax (610) 359-9846

All orders under \$300.00, add \$9.00 for shipping & handling.

Orders over \$300.00 shipped FREE in continental U.S.A. Excluded items are track, power and control items, sets, and oversize items.

No P.O. Box #s, PA residents add 6% sales tax.

Prices Subject to Change Without Notice.

STORE HOURS: M, W, F 10-9 • Tu, Th 10-7 • Sat. 10-5 • Sun. 10-5 (Nov. & Dec. only)

www.nstrains.com • www.nstoy.com



LIONEL

| | | | | | |
|-------|--------------------------|--------|-------|------------------------------|--------|
| 11004 | Nascar Set | 99.95 | 25446 | SF Super Chief 2 Pack | 154.95 |
| 11005 | Dale Earnhardt Set | 179.95 | 25450 | PRR 18" Alum. 4 Pack | 399.95 |
| 11006 | Kasey Kahne Exp. Pack | 29.95 | 25455 | PRR 18" 2 Pack | 219.95 |
| 11009 | Tony Stewart Exp. Pack | 29.95 | 25458 | PRR 18" Sound Diner | 209.95 |
| 11010 | Jimmie Johnson Exp. Pack | 29.95 | 25521 | B&O HW 4 Pack | 354.95 |
| 11011 | Jeff Gordon Exp. Pack | 29.95 | 27210 | PRR PS-1 Boxcar | 41.95 |
| 11020 | Harry Potter Set | 209.95 | 28241 | CN&W U30C | 379.95 |
| 31956 | Thomas and Friends Set | 119.95 | 28245 | Chessie SD-40 | 254.95 |
| 30018 | Pennsylvania Flyer Set | 119.95 | 28252 | SP U33C Dummy | 132.95 |
| 31963 | SP FRT Set | 309.95 | 28253 | CN&W U30C Dummy | 132.95 |
| 30050 | PRR Mikado Set w/CMD | 359.95 | 28272 | I Love USA SD60 | 208.95 |
| 30026 | CP Set | 429.95 | 28403 | PRR Ballast Tamper | 38.95 |
| 30056 | Halloween Set | 149.95 | 28411 | Missile Launcher Loco | 244.95 |
| 30021 | Cascade Logging Set | 127.95 | 28414 | 3360 PW Burro Crane | 132.95 |
| 11100 | PRR Mikado | 289.95 | 28680 | Reading 0-4-0 | 142.95 |
| 11105 | NYC Mohawk | 974.95 | 28695 | Halloween Dockside | 89.95 |
| 11107 | SP Cab Forward | 759.95 | 28864 | UP RS-3 | 72.95 |
| 11109 | C&O 0-8-0 | 354.95 | 28866 | NYC GP-20 | 71.95 |
| 11110 | NYC 0-8-0 | 354.95 | 29182 | N&W 18" 4 Pack | 399.95 |
| 11119 | Southern 0-8-0 | 339.95 | 29187 | N&W 18" 2 Pack | 214.95 |
| 14584 | Wabash F3 Dummy A Unit | 149.95 | 29811 | Merchant's Hot Box Reefer | 56.95 |
| 14596 | NH Alco PA A-A Set | 589.95 | 29812 | ATSF Hot Box Reefer | 56.95 |
| 15315 | ATSF Alum. Pass 2 Pack | 199.95 | 29813 | SF Boom Car w/Crane sound | 154.95 |
| 15319 | ATSF Surfliner 2 Pack | 147.95 | 29814 | PRR Boom Car w/ Crane sound | 154.95 |
| 15554 | PRR HW 3 Pack | 274.95 | 29830 | PFE Hot Box Reefer | 56.95 |
| 15559 | PRSL HW 3 Pack | 274.95 | 29831 | Swift Hot Box Reefer | 56.95 |
| 15574 | Long Island HW Coach | 97.95 | 31706 | UP Burro Crane Set | 179.95 |
| 15577 | NYC HW 3 Pack | 259.95 | 31750 | NYC Hot Box Reefer Set | 298.95 |
| 15581 | NYC HW Coach | 91.95 | 34508 | PRR E7 A-A | 579.95 |
| 15584 | Acela 3 Car Set | 439.95 | 36534 | NYC Caboose Center Cupola | 28.95 |
| 15588 | Southern HW 4 Pack | 319.95 | 36547 | Bethlehem Steel Transfer Cab | 28.95 |
| 17474 | D&H Gondola w/Load | 46.95 | 36550 | Halloween Transfer Caboose | 32.95 |
| 18364 | PRR BB-1 2 Pack | 579.95 | 36560 | C&O Caboose | 33.95 |
| 18371 | Tuscan 5 Stripe G6-1 | 789.95 | 36593 | NYC Caboose | 33.95 |
| 18372 | Green Single Stripe G6-1 | 789.95 | 36782 | Jumping Disney Boxcar | 38.95 |
| 18374 | Congressional G6-1 | 684.95 | 36783 | Disney OR Boxcar | 44.95 |
| 19266 | 6464 3rd Edition 3 Pack | 159.95 | 39092 | PAR Streamliner 2 Pack | 81.95 |
| 19292 | 6464 Series V1 3 Pack | 132.95 | 39092 | PRR O27 Pass 2 Pack | 81.95 |
| 19874 | Target Launcher Car | 42.95 | 39099 | C&A 2 Pack | 169.95 |
| 21877 | Domino Sugar Tank Car | 98.95 | 39273 | 6464 Archive 3 Pack | 99.95 |
| 21879 | C&E Hopper 3 Pack | 102.95 | 39443 | US Steel Slag Car 3 Pack | 124.95 |
| 25114 | Lionel Lines Pass 3 Pack | 87.95 | 48041 | UP Mikado | 519.95 |
| 25156 | Zephyr Streamline 4 Pack | 147.95 | 48042 | Southern Mikado | 459.95 |
| | | | 48047 | UP 4-8-4 Northern | 439.95 |
| | | | 48053 | PRR Mikado | 519.95 |
| | | | 49614 | PRR Pass Set | 479.95 |

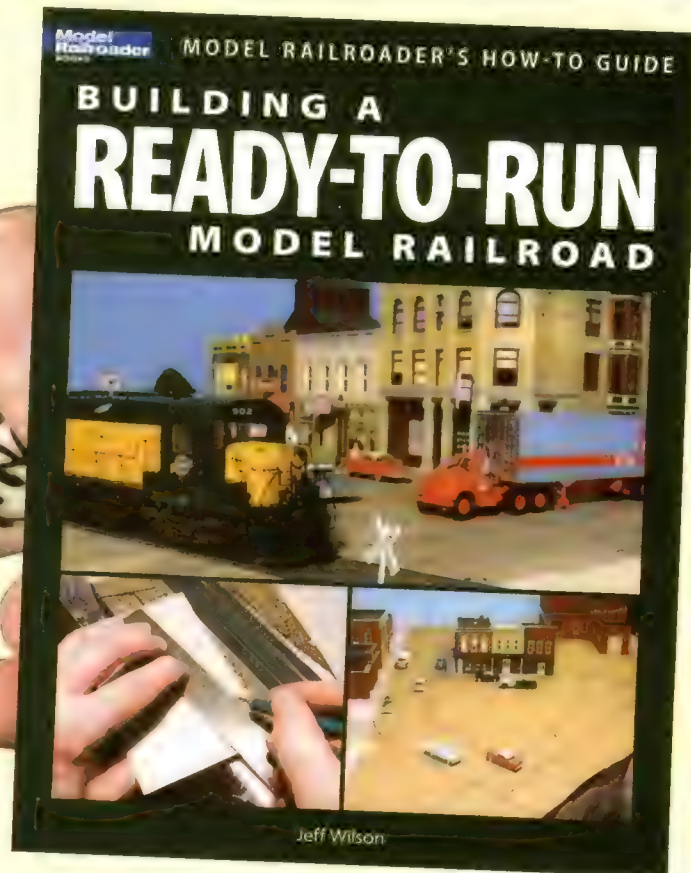
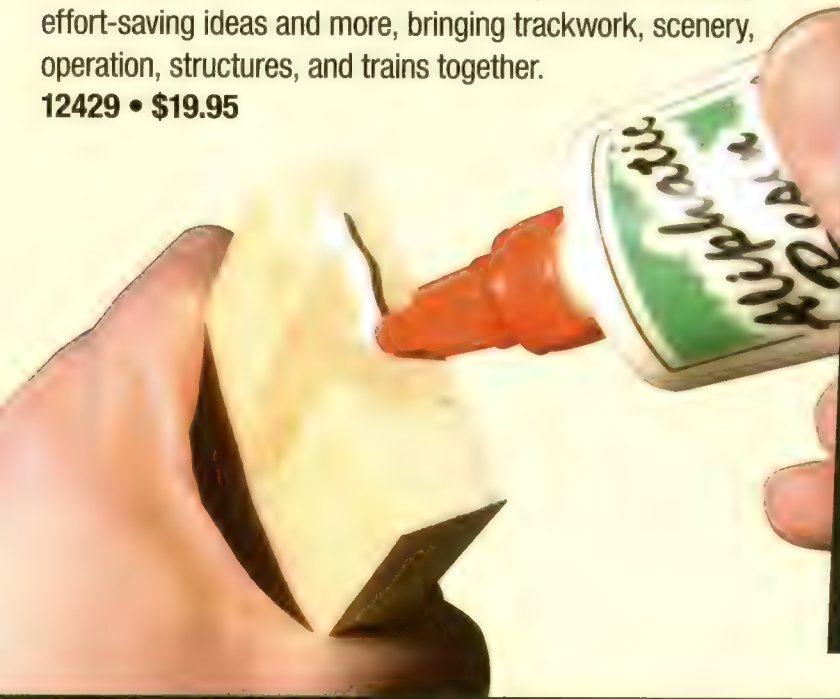


MORE THAN
200
PHOTOS &
DIAGRAMS!

Get your layouts up and running!

Featuring off-the-shelf trackwork and ready-to-run trains, this guide is perfect for the beginning hobbyist wanting to build a model railroad. Adding basic scenery, structures, and details to layouts has never been easier, and can be completed during spare hours. The book features layout construction, effort-saving ideas and more, bringing trackwork, scenery, operation, structures, and trains together.

12429 • \$19.95



www.ModelRailroaderBooks.com

Available at hobby shops.

To find a store near you visit www.HobbyRetailer.com

Call 1-800-533-6644


Monday – Friday, 8:30 a.m.–5:00 p.m. Central Time. Outside the U.S. and Canada, call 262-796-8776.

PMK-ADH-08X1587RH

**Model
Railroader
BOOKS**

M2094


ORIGINAL ART BY
Gil Bennet
18" x 24" Acrylic, unframed



"El Capitain in Chief Country"
\$2500.00 ppd.
(Others Available - Inquire)


Trackside Prints and Hobbies
Visit our new and Improved Web site for RR Art & Brass Model Trains
www.tracksideprints.com
281-314-0425 • jhink844@gmail.com
P.O. Box 934 • Montgomery, TX 77356
600 prints & vintage ads

Highway Miniatures
HO scale steam-era vehicle kits



The **JORDAN PRODUCTS**
Steam P.O. BOX 644
Shovel's BRIGHTON, MI 48116
Back
Send For Free Info.

Railroad Positioning System,
for model railroads



- Position with ID for all trains everywhere
- No track wiring
- Uses ultrasonic to model GPS performance
- JMRI user interface

RPS-mrr.com

CUSTOM BUILT STRUCTURES
by Chuck Hitchcock • (913) 381-4296
www.ChuckHitchcockStructures.com


Design your layout on your Mac
Empire Express™
Easy to learn. Easy to use. Quick.
Designed for the Mac. \$34.95. Free demo.
Visit the Haddon Software web site:
www.haddonsoftware.com

Wig-Wag, LLC
www.wig-wag-trains.com
Great Pricing – Personal Service
Toll-Free 888-298-7177
Albuquerque, New Mexico

DON BLACK
WE BUY & SELL BRASS
VISIT US ONLINE
WWW.DONBLACK.COM
HUNDREDS OF PICTURED
MODELS TO CHOOSE FROM
Don Black 119A Bernhurst Rd New Bern NC 28560
Toll Free 1-866 HO BRASS

ALLEGHENY SCALE MODELS
Brass Locomotives & Rolling Stock
HO, O, S, and Large Scale Out of Production Brass Models
Sales, Consignments, Estates, Appraisals
www.alleghenyscale.com
phone: 908-684-2070 • fax: 908-684-8911
oscale@alleghenyscale.com
470 Schooley's Mtn. Rd. • Suite 8-117 • Hackettstown, NJ 07840

PURIMCO PRODUCTS
X-1 Instant Adhesive and Activator. Foam safe, water based, instant gluing. Great for layout landscapes, roadbeds and tracklaying! Dries fast and does not melt foam! Adheres to



See "How to Videos" at
www.purimcoproducts.com

MAGIC WATER
ORDER ONLINE:
WWW.UNREALDETAILS.COM
OR CALL: (269) 468-7434
DAVE WILLIAMS • UNREAL DETAILS
357 MAPLE • COLOMA, MI 49038
WON'T CRACK, YELLOW, SHRINK OR BUBBLE!
NO ODOR, HEAT OR LAYERING! DEALER INQUIRIES WELCOME
18 OZ. - \$29.95 96 OZ. - \$99.95


www.mailcarhobbies.com
1-800-990-9421
HO TRAINS • DIECAST • MILITARY
DISCOUNT PRICES • WEEKLY SPECIALS

MIZELL TRAINS & HOBBIES
"The Wall of Trains."
Large HO brass consignment.
Rocky Mts. largest selection of trains. All brands/scales.
www.Mizelltrains.com
303-429-4811 • Fax: 303-427-6805
3051 W. 74th Ave. Westminster (Denver)

Jelsma Graphics
America's Railroad Embroiderer
www.jelsma.com
Railroad Art-Prints
Caps, Jackets, Shirts and More
Over 700 logos available!
1-904-221-3513 • Jacksonville, FL.
Jelsma Graphics a trusted name in
railroading for over 20 years "1985"



NYC's Best Train Show!
240 West 35th St.
Suite 800 A
NY, NY 10001
M-F 11-6 • Sat 11-5
1.888.NYRAILS
(1.888.697.2457)
212.643.4400
mail@sohammodeltrains.com • www.sohammodeltrains.com



GOTHAM MODEL TRAINS
"The World's Largest Selection of
European & American Trains!"

Kaslo Shops Distributing
Makers of Fine Resin Kits
Now Carrying Products From
All Manufacturers
Over 80,000 Items Available!
WWW.KASLOSHOPS.COM

STORAGE BOXES
A Superior Product
Storage, Transport and Organization System to Protect and
Preserve Your Model Train and Collectibles Investments
Moisture Resistant • Durable • Economical • Efficient
Z, N, HO, S, O27, O & ON30 Scales
Train Boxes Plus
Toll Free: 866-279-7550
or 817-441-1516
www.trainboxesplus.com



New!
Buckeye A.R.A. 50-Ton Trucks



HO SCALE
Tahoe Model Works
TEL: 775-882-8822 Send SASE for flyers
5801 Sheep Dr. #7 • Carson City, NV 89701

Railroading for any sized room!



www.allaboardrails.com

All-American Service Station



HO Scale Kit No. 723
Send \$2.00 for HO Scale Product Catalog
American Model Builders, Inc. www.laserkit.com
8229 Brentwood Ind. Drive
St. Louis, MO 63144
314-646-8588
LASERKIT
by AMERICAN MODEL BUILDERS, INC.

www.whatdetail.com
Highly detailed layouts in any scale. Let us complete
your unfinished projects- life-like scenery
our specialty. Start to finish, we'll bring
your railroad to life.



(978) 425-9832
(978) 374-3484
What-Detail!

S Scale Trains
20 steam & diesel engines
20 freight cars and cabooses
20 different passenger cars
Realistic Trackage
Leading the way for 26 years
Over 1000 photographs @
www.americanmodels.com
Phone 248-437-6800
AMERICAN MODELS

railroadbooks.biz
has 1,600 plus new titles,
all at discount!
Domestic shipping FREE over \$50.00
E-mail for PDF list.
chuck@railroadbooks.biz
www.railroadbooks.biz

ORDERS:
U.S. (800) 554-7463
BUSINESS &
INTERNATIONAL:
(812) 391-2664
SEND:
\$2.00 for paper
book list.

International
Service.
Book Search.
PO Box 4, Bloomington, IN, 47402-0004 U.S.A

Drawer Pulls

Bankrupts
UP, BNSF, CSX,
CN, CP!

Dealers
Welcome! (281) 910-0414 • www.inspirednuf.com
497 N. Clovis Ave. #202 PMB 120 • Clovis, CA 93611

Lever Style Mechanical Turnout
Control for HO & N scale layouts...
Actuates turnouts up to six-feet away!

- Utilizes a rust-free stainless steel wire that is pushed/pulled through a Teflon sleeve for smooth action and long life.
- Three-inch tail device can be mounted in many ways.
- Kit includes wire, sleeve, hardware and complete instructions.

2 levers - \$16, 4 levers - \$31, 6 levers - \$45, 8 levers - \$50
(Add \$5 S&H per order)
HUMP YARD PURVEYANCE
245 Raven Ln • Roseburg, OR 97470-9789 • 541-957-5526 • www.humpyard.com

The Best Ever Built

M.W. 1-775-883-3327

www.aztectrains.com

Software for Inventory & Operation

Ship It!, Car Cards, Railbase
Albion Software
39 Stanley Dr. Glastonbury, CT 06033
www.albionsoftware.com

TreatStation
Candy Ice Cream Trains Gifts Toys

Open 7
Days at
11 am

Free Toy Train Display
(914) 788-4141
www.treatstation.com
21 S. Division St. Peekskill NY 10566

CITY CLASSICS

CLASSIC AMERICAN
ARCHITECTURE IN
MINIATURE
www.cityclassics.biz

See us at these shows:
World's Greatest Hobby on Tour
Jan 3 & 4 Philadelphia, PA
Feb 14 & 15 Nashville TN
March 14 & 15 Cleveland, OH
Amherst Railway Society
Jan 24 & 25 W. Springfield, MA

Osborn Model Kits
Putting a little Canadian in Railway Modeling

- Rail side scenery
- Buildings
- Wood Products
- Laser Cutting

We offer a complete
line of Canadian rail
side scenery product

www.osbornmodelkits.com
Dealer Inquiries Welcome

Interested in O Scale?

SCALE
RESOURCE.
www.oscaleresource.com
Listings of O Scale manufacturers, dealers, and suppliers.

Micro FASTENERS

Order online at www.microfasteners.com
Or call 800-892-6917 fax 908-236-8721
FREE CATALOG
24 Cokesbury Rd Ste 2 Lebanon, NJ 08833

IF YOU'RE TIRED OF PAYING TOO MUCH FOR SCREWS

SOLIDDESIGN LIMITED RUNS • ONE-OF-A-KIND

Decals

Specialty Work FOR YOUR HOBBY
Email: solidesign@b1zland.com www.solidesign.b1zland.com
8005 ORE KNOB DR., FENTON, MI 48430 • (810) 629-4790

HO SCALE TRACK CLEANERS

Stealth
Track Cleaning Freight Cars
Track Cleaning Locomotives
Many Road Names Available

Fine detail
Model Railroad
Construction &
related services

www.jamcreations.net • (616) 784-4104 VISA

DCC & SOUND

QSI Revolution in Stock
Digitrax, SoundTraxx
LokSound, TCS
QSI Sound Decoders
1-877-600-8657
www.UlrichModels.biz

CORK ROADBED SWITCH PADS

• Z • N • TT • HO • O

- PRE-CUT AND BEVELED
- FITS ALL POPULAR TURNOUTS

IBL
itty Bitty Lines
IBL PRODUCTS
5452 Cascade Dr.,
West Bend, WI 53095
(262) 675-6220
www.IBLProducts.com

Railpub

Back Issue Rail Magazines & Used Books

- Prototype • Industrial Subjects • Traction
- Logging • Modeling

508-397-1828
www.railpub.com 161 Edmore Rd. • Wrentham, MA 02593-1227

End Of Train Device

N Scale - \$18.30
HO Scale - \$14.65
O Scale - \$20.95
\$4.00 sah

includes:
painted casing w/1.5v lamp installed
flasher unit, battery holder
Toll Free: 877-697-9731
WWW.TOMARINDUSTRIES.COM

TOMAR INDUSTRIES
9520 E. NAPLES AVE., BENTON HARBOR, MI 49022

AMBER LENS #806
RED LENS #822

HUGE SELECTION ALL SCALES BESSEMER HOBBY

Special runs! Bowser, Stewart,
Branchline, Detail Parts, DCC & more!
Secure Checkout! PayPal accepted!
International shipping via
USPS Priority Mail.
www.BessemmerHobby.com

Expert modeling know-how at your fingertips!

- DVDs • Downloadable videos • Free magazine NEW!

For phone orders call 1-800-920-6026
model-trains-video.com

ALL ELECTRONICS CORPORATION

LEDs, Switches, Terminals Strips & 1000s of
Electronic Parts. Discount Prices. Fast Shipping!
www.allelectronics.com
Free 96 page catalog 1-800-826-5432

Box Cars Dry Transfers

20's - 50's
Classic

Dry Transfer Lettering
N • HO • S • O • G • 78 Page Catalog #12 ~ \$6.00
www.cloverhouse.com

Clover House
Box 62M, Sebastopol, CA 95473-0062

Miller Models

STOP LOOK LISTEN

Plan for Realism. Miller Models will bring your layout to life with industrial and environmental digital sound modules. Super small, easy to install under the bench work or inside a structure.

Holiday priced at \$29.95
Reg. \$34.95 Price good through March 15, 2009
Power supplies and speakers also available.
(301) 371-7664 • www.millermodels.com

HobbySurplus.com

Train Supplies up to 70% OFF
Over 12,000 bargains on line

or Send \$4 for our catalog:
Hobby Surplus, 287 Main St., New Britain, CT 06051

Now Available!

HO 50' 6 foot door Ribside boxcars
3 paint schemes

NEW!

Rib Side Cars 134 N. York Road, Bensenville, IL 60106
www.ribsidecars.com (630) 532-9875

Woodstock Hobbies

Trains and Accessories for G, O, S, HO, N and Z, plus track, buildings, people, scenery and more!

Athearn, Atlas, Bachmann, Kato, Lionel, M.T.H., Roundhouse, Woodland Scenics, and others!

Shop our online warehouse: www.woodstockhobbies.com



PROTOTYPICAL MODEL TRAINS

Authentic HO Scale Model Trains & Railroad Products
www.prototypicalmodeltrains.com

Model railroad products, locomotives, rolling stock, structures, signals, lighting, selected to create and demonstrate realistic appearance with DCC rail operations.

VISIT US ONLINE FOR WEEKLY SPECIALS
e-mail: prototypicalmodeltrains@comcast.net
Toll Free: 866-916-0834

Digitrax • Soundtraxx HO BRASS

Diesel & Steam Consignment

Pk: (978) 957-3900 • Fax: (978) 957-3902

www.diesel-steam.com

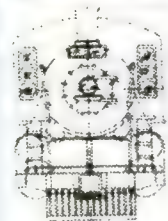


JANUARY
MODEL
RAILROADER
SPECIAL!

TELL US YOU
SAW OUR AD
& RECEIVE
10% DISCOUNT

PRECISION LASER MODEL KITS

CHECK OUT OUR LATEST MODEL OF
THE HISTORIC TEMAGAMI TRAIN STATION
www.temagamistation.com



PO BOX 27354, MINNEAPOLIS, MN. 55427

Phone (763) 475-0647

E-Mail: demoore@northernscale.com

Consignment Selling, Collections &
Estates Purchased

Trades, Locating Models, \$1.50 for N,
HO, or O list,
Shipping Loco's \$9, cars \$9.

Check out our website for inventory or contact us
for individual models.

Web Site: www.northernscale.com



MODERN Buildings in HO & N!

(337) 436-8481

www.summit-customcuts.com

GEODESIC FOAM SCENERY

No plaster. Light, tough,
beautiful, fast, easy.

RUBBER ROCK MOLDS
World's largest selection.

WEATHER SYSTEM
Self adhesive weathering powders.

BRADON ENTERPRISES

SEE OUR COMPLETE
CATALOG & MORE AT:

www.bradonent.com

2860 Garden Tower
Georgetown, CA 95634
phone (530) 333-1365
fax (530) 333-1051

märklin ...simply the Best!

For the BEST Combination of Price & Service!

Shipping WORLDWIDE since 1983

MODELLBAHN OTT HOBBIES

1145 E. Philadelphia Ave., Gilbertsville, PA 19525

(610) 367-5925 M-Th 11-8, F 11-9, Sat 10-8, Sun 12-5

Orders: 1-800-MDL-BAHN

<http://www.modellbahnott.com>

E-mail to: bill@modellbahnott.com

Decoder Installation Services

Specializing in Brass, sound and
difficult installations

DCCPLUS.com

Introducing . . .

Youth Model Railroad

"The most exciting model railroad club just for kids"

YMR is looking for
new members and
adult team leaders to
start new divisions.

www.YMR-online.org

PO Box 1969, Broomfield, CO, 80038-1969



Kreig Haus Hobby and Coin

Full service brick and mortar hobby shop.

1000's of HO scale items in stock now

Quick shipping / Low prices

www.HobbyAndCoin.com

HUGE FALL SALE!

20% off All Items

Athearn, Atlas, Bachmann, Accurail,
Walther's, Intermountain, Life-Like.

Central Missouri's
Most Complete
Hobby Shop

Sedalia Hobby

417 W. 16th St.
Sedalia, MO 65301

660-826-4655

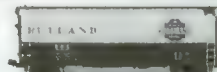
New Web Site!
sedaliahobby.com

TRIX HO Boxcar Blowout Sale!

\$18.50 each

10 Different Road Names!

While supplies last!



www.ScaleUniversity.com

Checks/Money Orders/VISA/MasterCard • \$5.95 S&H, orders over \$150 ship free

SCALE UNIVERSITY
196 Cider Hill Rd • Exeter, Maine 04435 • (207) 379-4731

Rix Products Pikestuff



Web site: www.rixproducts.com
Send LSASE for new 20 page catalog.

3747 Hogue Rd. Evansville, IN 47712

Phone (812) 426-1RIX FAX (812) 423-3174

Model Railroad Structures & Accessories

Computer automation for your DCC layout FIRST OF ITS KIND

Auto & manual control
of trains & turnouts



Realistic operation

Use off the shelf DCC

PC or on board sound

Run multiple trains in

the same session

Details at WWW.RNRDIGITAL.COM

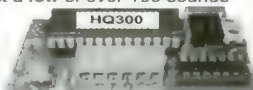
Digital Sound Modules

Bring your layout to life with sound!

Trains, Animals, Nature, City, Industrial

These are just a few of over 100 sounds

HQ300 Grade Bell
HQ420 Barnyard
HQ505 Brook/Birds
HQ602 Industry
HQ610 Sawmill



HQ Series \$34.95 ea.

Place these modules around the
layout in buildings or on trains.
Add power, a speaker, & switch.

Speakers: (2.5" \$6 ea.) (3" \$7 ea.) (4" \$9 ea.) S&H \$7 USA

<http://www.ittproducts.com>

I.T.T.C. P.O. Box 5042 West Hills, CA 91308

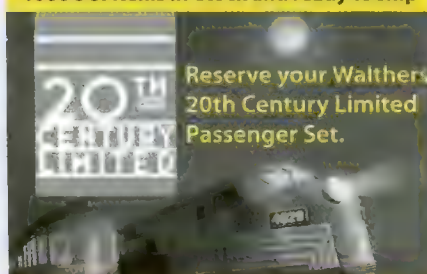
818-926-1143 Dealers Welcome

ToyTrainHeaven.com

All Scales Available

TRAINSETSONLY.COM

1000's of items in-stock and ready to ship



Walther's rolling stock and Cornerstone® kits

Grand Central Gems

Realistic Trees

Pine, Spruce, Aspen, Oak, Fruit, Palms, Hardwoods,
Lodgepoles, Blossom and Snow Trees all Scales, STAINED
WOODEN TRUSS BRIDGES, Single Track Bents, Double Track
Bents, Straight, and Curve Deck Sections. Rock Molds, NEW
Scenic Grass Mats. Lumber Loads, Custom Layout Building,
LOCO STORAGE BOXES!

www.grandcentralgems.com

UNUSUAL MODEL TRAIN PRODUCTS

Model Train Defect Detector, HO Speedometer Car, HO Turn-Out Remote Control and more...

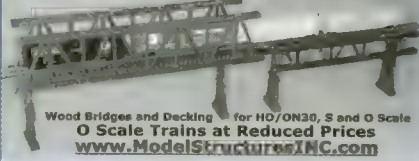
Computer Products for Education
PO Box 1694 Kingston, PA 18704
www.cp4e.com

Trackside Layouts LLC

*Design and construction of
custom model railroads*

906-281-4814 www.tracksidelayouts.com

Model Structures for Model Railroads



Wood Bridges and Decking for HO/O/N30, S and O Scale
O Scale Trains at Reduced Prices
www.ModelStructuresINC.com

Don't leave those highway grade crossings unprotected! Use our
Grade Crossing Pro!

LOGIC RAIL TECHNOLOGIES™ "Sophisticated Model Railroad Electronics"
21175 Tomball Pkwy Voice/Fax: (281)251-5813
PMB #287 <http://www.logicrailtech.com>
Houston, TX 77070 info@logicrailtech.com

MODEL TRAINS BY DESIGN CUSTOM BUILDER OF FINE MODEL RAILROADS

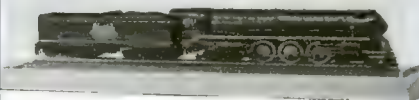
We also complete unfinished projects
• Assembly of Model Structures
• Your store bought kit
• Scratch-build from your plans or ours
262-679-4790
contact@modeltrainsbydesign.com

CUSTOM CREATED DISPLAY CASES

• Available in Oak or Walnut finish
• HO, O & large scales
Engine, roadbed & cork not included

Park Lane Hobbies

1080 Joliet (Rt 30)
Dyer, In 46311
219-322-1123



parklanecases@sbcglobal.net
www.parklanehobbiesonline.com

After You've Looked at the Others...

**Progressive
pmd
Model Design**

MUSEUM QUALITY - CUSTOM
**LAYOUT
MODELING
SERVICE**

WHAT CAN WE BUILD FOR YOU?

www.PROGRESSIVEMODELDESIGN.COM
211 RocBaar Drive, Romeoville, IL 60446
(815) 886-9010 FAX: (815) 886-9076

Ultimate Model Maker™

**A-LINE
ARROW
HOBBY
NEW RAIL
MODELS**

**YOU WON'T BELIEVE
THE GREAT STUFF**
ppw-aline.com
newrailmodels.com

Any Rail
Makes model railroad design
so easy, it's fun!

www.AnyRail.com

Need Track?

Full line of HO and N scale Peco and Atlas Track
Kadee couplers, Circuitron (Tortoise), Thomas and Friends and more!

Everything
over 30% off
list price!

www.BILLS TRAINS AND TRACK.COM
phone: (347) 237-3533 · e-mail: billstrainsat@aol.com



**Allen Keller
Productions**

VHS Closeout
Prices at

www.allenkeller.com

**NKP LAYOUT
SERVICES**

SoCal-based
railroadstan@nkp.com 714-615-0123 www.nkp.com

• PLANNING
• BUILDING
• SERVICING
• ALL/PART
"...get going on
your layout now!"

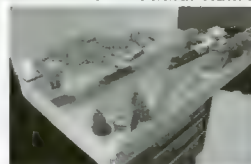
dunhamstudios.com



See what real
Museum Quality looks like!

**MODULAR
RAILROADING**

The Resource for Modular Railroaders



www.modularrailroading.com
Articles, Designs, Inspiration, and More!

Fast run on KCS's Southern Belle • Royal Hudsons at rest

Classic Trains
MAGAZINE

Birth of a legend

The ecstasy, agony, and legacy of Alco's first PA diesels

How Francis' mighty 4-8-4

Diesels South: A 1962 search for rare power in Dixie

Boyhood adventures with NYC steam

Love affair with a Lehigh Valley PA



Winter 2008 Edition

The First PA's

Alco launched its postwar passenger diesel with great fanfare, but the reality did not live up to the hype

Howard Fogg, a PA, and Me

A great artist's painting sparked a fascination with a Lehigh Valley diesel

The Mighty 800

A fireman discovers the awesome capability of a Union Pacific 4-8-4

NYC's Steam Stepchildren

How a teenager in Buffalo savored a little-known pocket of NYC steam

Diesels South

A 1962 search for rare power in Dixie included visits to many short lines

In Service to the Royals

Jim Shaughnessy recalls his time with Canadian Pacific Hudsons between Montreal commuter runs

One Day at ... Sanford, Fla.

Along with Amtrak and SCL action, a tour of Auto-Train's shops

Fallen Flags Remembered

Duluth, Winnipeg & Pacific

PLUS: True Color, Car Stop, The Way It Was, and more!

Classic Trains
MAGAZINE

Subscribe Today!

1-800-533-6644

www.ClassicTrainsMag.com

Classified Advertising

Schedule of Events Rate: \$25 per issue (45 word maximum). Ads will contain the following information about the event: State, City, Sponsoring organization and name of event, meet, auction or show, Dates, Location, Times, Admission fee, Name and/or telephone number and/or email of person to contact for information. Name, daytime telephone number and street address of the person providing the information is also required but need not be included in the ad. Unless otherwise requested, ads will be published in the issue month that the event occurs in. Additional months are available at the \$25 per issue fee. Please specify issue date(s).

Word Ad Rates: per issue: 1 insertion — \$1.93 per word, 6 insertions — \$1.79 per word, 12 insertions — \$1.68 per word. \$25.00 MINIMUM per ad. To receive the discount you must order and prepay for all ads at one time. Count all initials, single numbers, groups of numbers (i.e. 4-6-0 or K-27), names, address number, street number, street name, city, state, zip, phone numbers each as one word. Example: John A. Jones, 2102 South Post St., Waukesha, WI 41202 would count as 10 words.

For MR's private readers, please furnish: a telephone number and, when using a P.O. Box in your ad, a street address. *Model Railroader* reserves the right to refuse listing.

All Copy: Set in standard 6 point type. First several words only set in bold face. If possible, ads should be sent typewritten and categorized to ensure accuracy.

Send your submissions to: *Model Railroader* — Classifieds 21027 Crossroads Circle, P.O. Box 1612 Waukesha, WI 53187-1612 Toll-free (888) 558-1544 Ext. 815 Fax: 1-262-796-0126 E-mail: onlineclassads@kaimbach.com

All ads must be prepaid and pertain to the subject of model railroading.

CLOSING DATES: Jan 2009 issue closes Oct. 17, Feb. closes Nov. 18, Mar. closes Dec. 16, Apr. closes Jan. 16, May closes Feb. 16, June closes Mar. 20, July closes Apr. 17, Aug. closes May 15, Sept. closes June 18, Oct. closes July 17, Nov. closes Aug. 18, Dec. closes Sept. 18.

Note to Readers: Show dates, times and locations sometimes change. Confirm the details before driving any distance. Please go to www.mrmag.com and click on the **Schedule of Events** section to get more complete information on these and other coming events.

Schedule of Events

FL, DELAND: 26TH FLORIDA RAILFAIR. Volusia County Fairgrounds, Tommy Lawrence Arena and Townsend Exhibit Hall. January 10 and 11, 2009. Saturday 9:00am-4:00pm and Sunday 10:00am-3:30pm. Adults: \$7.00 (under 12 free). Operating layouts. Miller, 3106 N. Rochester St., Arlington, VA 22213. 703-536-2954.

GA, NORCROSS: 36TH ATLANTA MODEL TRAIN SHOW. North Atlanta Trade Center, 1700 Jeurgens Court. Saturday January 17, 2009. 9:00am-5:00pm. Adults: \$7.00 (under 12 free). Operating layouts. 300+ tables. Miller, 3106 N. Rochester St., Arlington, VA 22213. 703-536-2954.

IA, CENTRAL CITY: EASTERN IOWA MODEL RAILROAD-ER TRAIN SHOW & SWAP MEET. January 25, 2009. Central City High School, 400 Barber St. 10:00am-4:00pm. Admission: \$3, children under 12 free. Contact: Don Earll, 201 10th Ave., Hiawatha, IA 52233. Phone: 319-393-2691.

IL, DUPO: THE DUPO TRAIN SHOW. Dupo Community High School Gym, 600 Admiral Trost Drive. Saturday, February 14, 2009, 10:00am-3:00pm. Adults \$3.00, 12 and under free. 19th year! Swap Meet & Layouts. Dirk P. Reynolds, 618-286-3399

IL, MATTOON: ELEVENTH ANNUAL CROSS COUNTRY MODEL RAILROAD DAYS. Cross Country Mall, 3/4 mile west on Rt. 16, from exit 190-B, I-57. February 21-22, 2009. Saturday 10:00am-9:00pm and Sunday 12:00pm-5:00pm. Swap meet and numerous running train layouts. Free admission. E-mail john@corvillestation.com

IN, GREENWOOD: GREENWOOD TRAIN SHOW. Greenwood K of C, 695 Pushville Road. Saturday, January 31, 2009, 10:00am-3:00pm. \$3.00, under 14 free w/adult. New management offers 3 layouts, multi dealers. All major gauges. Contact Dennis Scamahorn 317-881-5884.

MI, REDFORD: 23RD ANNUAL OLE TOY & TRAIN SHOW. St. Robert Bellarmine. Sunday, January 25, 2009, 11:00am-3:00pm. Open to public \$3.00 each/\$6.00 family. Hosted by SRB's Men's Club, Concessions, 150+ tables, live displays, testing. 8' tables \$12.00 prepaid or \$15.00 at door. Info: 313-937-1670, 313-937-1500 cbalawipco@yahoo.com

MI, TROY: 5TH ANNIVERSARY TROY TRAIN SHOW. Athens High School, 4333 John R. January 18, 2009, 10:00am-3:00pm. \$3 Adults, 12 & Under - Free. 350 Tables. Door Prizes, Free Miniature Train Rides, Raffle, Operating Layouts in N. HO, O, G. www.troytrainshow.org

MN, ST. CLOUD: GRANITE CITY TRAIN SHOW AND SALE. National Guard Armory, 1710 Veteran's Drive; Saturday, December 13, 2008, 9:00am-2:30pm. \$4.00, 12/under free. Buy/sell model/toy trains, books, videos, railroad collectibles. Operating displays. Children's railway play area. Door prizes, for visitors and vendors. 320-255-0033; edwardolson@cloudnet.com; www.granitecitytrainshow.com

NC, WILMINGTON: CAPE FEAR MODEL RAILROAD CLUB 12TH ANNUAL SHOW & SALE American Legion Post 10, 702 Pine Grove Drive, January 24-25, 2009. Saturday 10:00am-5:00pm, Sunday 10:00am-4:00pm. \$5.00 adults, \$3.00 children 6-12, under 6 free. 43 tables, free clinics, operating layouts. www.CapeFearModelRailroadClub.org

NY, LINDENHURST: NORTHERN SPUR TRAIN DIECAST VEHICLES/TOY MEET Jan. 4, Feb. 15, Mar. 22. Sept. 20, Nov. 1, 2009. Knights of Columbus Hall, 400 S. Broadway. 8:30am-1:00pm. \$4 adults, children under 16 free w/adult. Contact: Carmelo Sancetta. PO Box 1286M. Bay Shore, NY 11706. 631-666-6855

OH, CLEVELAND: ALL GAUGE MODEL TRAIN SHOW United Auto Workers Hall, Chevy Blvd. in Brookpark. January 3, 2009, 10:00am-3:00pm. Admission \$5.00, kids under 10 free. Tables \$20.00. Sponsored by the Cuyahoga Valley S Gauge Association. Call Tim Krogg, 216-662-6928 for tables or e-mail MACSIR@aol.com

PA, COOPERSBURG: COOPERSBURG AREA SOCIETY OF MODEL ENGINEERS OPEN HOUSE. Basement of the Coopersburg Borough Building, 5 North Main St. Noon to 5:00pm, December 6-7, January 10-11, January 17-18. Admission: Free. Contact J&D @ 215-538-0501 www.casme.org

PA, FORT WASHINGTON: GATSMO MODEL RAILROAD CLUB OPEN HOUSE. Prospect and Madison Avenue (just off PA Turnpike Exit #29). December 6th & 7th, January 10th & 11th, 24th & 25th, March 7th & 8th, 12 noon - 4:00pm. Donation. Info on www.gatsmo.org Phone 215-646-2033 (Thurs. Evenings).

WI, LA CROSSE: 19TH ANNUAL GREAT TRI-STATE RAIL SALE. The La Crosse Center, 300 Harborview Plaza, Saturday, January 31, 2009, 9:00am-3:00pm. Admission: \$4.00, children under 12 free. The Tri-State's largest one day railroad sale, flea market and swap meet. Contact: 608-582-4761.

Classifieds

For Sale-Z Scale

Z GAUGE AT COMPETITIVE PRICES. Modellbahn Ott Hobbies, 1145 East Philadelphia Ave., Gilbertsville, PA 19525. 610-367-5925. 800-MDL-BAHN.

Wanted-Z Scale

! #1 ESTATE BUYER OF Z SCALE COLLECTIONS! We buy all makes and types - Brass & European! Call us TOLL FREE: 1-866-462-7277. Don Black 119 Bernhurst Road, New Bern, NC 28560. E-mail: don@donblack.com

For Sale-N Scale

FREE MONTHLY MAIL BID CATALOG with hundreds of items-- Bid or Buy It Now at net price listed! Both new & "lightly Used" locomotives, rolling stock, as well as accessories! 30+ years in business, 1-800-701-7091, J & T Junction, PO Box 407, Huntingdon, PA 16652, jreevesandcompany@hotmail.com, www.jamesjreeves.com

JNJ TRAINS, N-SCALE DETAIL PARTS. body shells, special run cars. Send \$2.00 for product list to PO Box 683, Pleasantville, IA 50225. 515-848-5055. Fax 515-848-3311. www.jnjtrains@dw.com

Wanted-N Scale

! #1 ESTATE BUYER OF N SCALE COLLECTIONS! We buy all makes and types - including Brass & European! Even Nn3! Call us TOLL FREE: 1-866-462-7277. Don Black 119 Bernhurst Road, New Bern, NC 28560. E-mail: don@donblack.com

ALWAYS BUYING N Scale Collections. Kato, Atlas, Micro-Trains, Custom Painted, Brass or Plastic. Quality Items Wanted- Over \$500,000 Available. Please call Dan Toll-Free at: 1-877-227-5557 or 352-680-1650. Mail your list to: Dan Glasure, PO Box 830175, Ocala, FL 34483-0175 or E-Mail: Dan@DansTrainDepot.com

BUYING N scale train collections, large or small. Call Tom 630-443-9137.

BUYING N AND HO SCALE. Super Quick Payment! (usually within 48 hours). If for some reason you don't like our offer, return our check and we'll return your material to you at our expense, along with a check to cover your shipping expense. Call before shipping. J & T Junction 1-800-701-7091.

For Sale-T Scale

SEND LSASE FOR COMPREHENSIVE TT sale list, mostly Rokal & HP. H. Seitz, 5141 NW 84th Ave., Lauderhill, FL 33351

For Sale-HO Scale

1860'S TO 1950'S CIVILIANS, MINERS, lumberjacks, cowboys, wagons, farm animals, wild animals, structures, details, Civil War soldiers. Also N scale. Catalog \$3.00. Rustic Rails, DRR, Box 1976, Broomfield, CO 80038. www.musketminiatures.com

4X8 HO MUSEUM QUALITY LAYOUT. Beautiful scenery, river gorge, trestles, tunnels, turntable, upper level wye, 50s era weathered buildings, two Digitrax throttles. Pictures, video, appraisal. Stan 321-544-7696 E-mail: orangepatch@aol.com

ABC'S OF BRASS Call Gunning's Hobbies. In business 60 years. Great selection. Always changing. www.gunnings.com 415-454-3087

ATHEARN PARTS. old prices. Caboose, Snowplow and Crane parts. Most engine parts and shells. Most engine frames on sale. (\$3.00 each). Call RJ Rennie, 440-234-7186. 197 Best St., Berea, OH 44017.

BRITISH OR EUROPEAN, LSSAE for either list. Branch Lines Ltd., 1200 Northbranch, Wilmette, IL 60091-1035. 847-256-4294.

CANADIAN PROTO 2000/ 1000. Phone 905-338-1608 or visit www.modeltrains.com to view our huge selection of Life-Like Proto Canadian products. Canadian Model Trains. sales@modeltrains.com

EXCEPTIONAL HO BRASS: RwyC1 CRI&P R-67 4-8-4 #5033; PSC DRGW S-33 0-6-0 #60; OMI Milwaukee ES-2 Steeple Cab #E-80 & E-82; PFM Michigan II Shay Rushton Stack; mob. Bob's Trains, Grand Rapids, MI 616-942-0446/616-560-2268; bkdevries@comcast.net

FREE LIST for an SASE #10 or larger. New, never used and many sealed items below cost. Santa Fe modeler. Nearly all HO plus N scale and three Z scale. No computer. No fax. Mail to: John E. Snyder, PO Box 709, Monroe, WI 53566-1193.

FREE MONTHLY MAIL BID CATALOG with hundreds of items-- Bid or Buy It Now at net price listed! Both new & "lightly Used" locomotives, rolling stock, as well as accessories! 30+ years in business, 1-800-701-7091, J & T Junction, PO Box 407, Huntingdon, PA 16652, jreevesandcompany@hotmail.com, www.jamesjreeves.com

HAG, MÄRKLIN, TRIX, FLEISCHMANN and other European brands at very competitive prices. World class repair facility. E-Shopping fast, convenient, secure, reliable! Please visit us on the web at www.helmuthshobbies.com Helmut Hobby Specialties, 83 Brookshire Dr., Warrenton, VA 20186. 540-349-4910.

HO COLLECTION FOR SALE. Engines, freight, passenger cars, bldgs., misc., etc. LSSAE for list: Sal Bentivegna, 59 Highway, Chappaqua, NY 10514, 914-238-3815.

MÄRKLIN AT COMPETITIVE PRICES. Modellbahn Ott Hobbies, 1145 East Philadelphia Ave., Gilbertsville, PA 19525. 610-367-5925. 800-MDL-BAHN.

OVERLAND BRASS check the prices of one of the world's biggest dealers at www.modeltrains.com or fax 905-338-8571.

RUSSELL MOBI-MODEL OPERATIONAL BRIDGE KITS, 5 models, new, manufactured in 1966. Advertised in October, 1971 Model Railroad Magazine. \$30-\$50 each, plus shipping. 305-937-7225. Norma Russell, 18825 Atlantic Blvd., Sunny Isles Beach, FL 33160

Wanted-HO Scale

! #1 A+ ESTATE BUYER OF ALL TRAIN ESTATES- Brass Pieces & Collections wants your material. Including all types of Brass, old trains, kits, plastic, diecast, buildings, etc.- we buy it all. Buildings and estates included. We seek better items for personal collections. Call us before you sell for our offer as we pay the highest prices. Call Don Black toll free 1-866-462-7277. Don Black, 119 Bernhurst Road, New Bern, NC 28560. E-mail don@donblack.com

A FATHER & SON TEAM are looking for large high-quality Brass & Plastic Collections. We buy your entire collection, not just the cream. Over \$500,000 Available. Many items bought are used for personal layout. Call Dan Toll-free at: 1-877-227-5557 or 352-680-1650 or Mail a List to: Dan Glasure, PO Box 830175, Ocala, FL 34483-0175 or E-Mail: Dan@DansTrainDepot.com

BRASS PASSENGER CARS: FSM kits, FOS kits, LIRR Brass wanted. Please call Bob 212-874-6569 or e-mail grandt7@yahoo.com

BUYING HO train collections, large or small. Also brass. Call Tom 630-443-9137.

BUYING N AND HO SCALE. Super Quick Payment! (usually within 48 hours). If for some reason you don't like our offer, return our check and we'll return your material to you at our expense, along with a check to cover your shipping expense. Call before shipping. J & T Junction 1-800-701-7091.

MÄRKLIN COLLECTIONS PURCHASED. Bill Ott. 2469 Old Rt. 100, Barto, PA 19504. 800-635-2246.

PICTURES OF FLAT, BULKHEAD AND CENTER BEAM CARS with wood and cement RR ties on them. 515-883-0636. trainguy1942@aol.com

TMS SHAYS sold in Japan Circa 1950. ccreshay@ol.com 480-948-7166

WANT TO SELL YOUR MODEL RAILROAD COLLECTION? Maybe we can help. Call 918-478-4466 or e-mail agtopr@sbcglobal.net

For Sale-O Scale

ANY O-SCALE STRUCTURE YOU LIKE scratchbuilt, detailed, lighted, weathered. Kits built. Call Reed 973-472-7456.

O SCALE IS ALIVE AND GROWING! Read O Scale Trains magazine. Six issues per year for \$35. Visit www.oscalemag.com or call 610-363-7117.

Wanted-O Scale

JOE FISCHER PASS & HEADEND CARS ESP solarium sun room "XXX CLUB" cars. PRB ATSF EL Cap strlmd, unptd C&O 8872 coach, 8873 pull, 8874 dome/obs. Also 4804 branch line combine (ever made?). PSC bag 15629. Walther's Eric coach rtr only, ICC 10/6 rtr only, Orntl Ltd GN mtr car. CN hvy wt pass equip. Golden Gate 12-1 plastic pullmans. BC Ken ATSF strlmd. No calls. Jim Seacrest PO Box 6397, Lincoln, NE 68506-0397.

Wanted-O Tinplate

BUYING O and Standard gauge collections. Lionel, Flyer and all others. Call Tom 630-443-9137

LIONEL, FLYER, IVES for collector. Please contact Stephen Slauson, 2426 Otis Drive, Alameda, CA 94501, 510-523-8563.

For Sale - Miscellaneous

MORE OF MY FATHER'S AND MY LIFETIME COLLECTION of museum-quality railroad collectibles along with equipment and items for tourist trains, museums and short lines. LSASE for list. Gray Tuttle, PO Box 11, Clinton, NC 28329, 910-592-2187.

MUST KNOW SECRETS OF VETERAN MODEL RAILROADERS REVEALED: How to Easily Master the Basics and Save Time, Money and Energy! "A good resource which I recommend to all my friends." FREE DETAILS at www.ModelTrainTips.com

www.papatrains.com Trains and accessories - all scales.

Wanted - Miscellaneous

MODEL AUTOMOBILE AND TRUCK KITS WANTED- un-built or built, any size collection. Fred Sterns, 48 Standish, Buffalo, NY 14216, 716-838-6797, email: fsterns@aol.com

LEADING MODEL RETAILERS

Retail Directory spaces are sold on a year's basis at \$628 per year (payable in advance) or at \$58 per month (billed to established accounts for one year minimum); also for six months at \$339 (payable in advance). Ads will be set in standard listing typography. All insertions must be consecutive and may be invoiced if you have credit established with us. No mention of mail order business permitted. CLOSING DATES are listed in the "Schedule of Events" section. For more information call 1-888-558-1544, ext. 815.

ALABAMA • Jacksonville

Northeast Alabama's Largest!
All Scales - All Major Brands
Mon-Fri 9-5; Sat 9-3
E-mail: modelcitymodels@nti.net
www.modelcitymodels.com

MODEL CITY MODELS

2200 Pelham Rd. South 256-435-0095

ALABAMA • Pelham (Birmingham)

Full service hobby shop.
N, HO, O & G scales.
Authorized Lionel & MTH dealer.
Digitrax & Soundtrax dealer.
Open Mon - Fri 10-6, Sat 10-5

OAK MOUNTAIN HOBBIES

2659 Pelham Parkway 205-685-8980

ARIZONA • Mesa

HO and O. Largest selection of Bldg. & Structure Kits, Landscape Materials, Details & Accessories. Scratch-Building Supplies.
Discount Pricing - Mon-Fri 10-5:00, Sat 10-4.
www.MesaModels.net

MESA MODELS

6032 E. McKellips Road 480-357-8800

ARIZONA • Mesa

The largest selection of RR supplies in Arizona since 1974. N, HO, O, G, Lionel, Märklin, LGB, Thomas.
Large selection of RR books.
www.roystrainworld.com

ROY'S TRAIN WORLD

1033 S. Country Club Dr. 480-833-4353

ARIZONA • Phoenix

Narrow gauge almost exclusively.
On3 - Sn3 - HOm3 - On30.
Kits, parts, brass & books.
Mon-Fri 8-12, 1-5, Sat 8-12.

CORONADO SCALE MODELS

1544 E. Cypress St. 602-254-9556

ARIZONA • Phoenix

HO and N scale model trains and accessories.
Custom painting and printing.
Tue-Sat 10am-6pm.
frtyard@flash.net
www.thefreightyard.com

THE FREIGHT YARD

2734 W. Bell Rd., Ste. 1306 602-942-1862

ARIZONA • Scottsdale

A large selection of RR supplies:
Z, N, HO, O, G, Lionel, LGB,
RR books & children's train toys.
Located in McCormick-Stillman RR Park.
www.roystrainworld.com

ROY'S TRAIN WORLD, At The Park

7301 E Indian Bend Rd. 480-367-9007

CALIFORNIA • Anaheim Hills

100% model railroading - Most scales and gauges. Operating layouts.
www.Milepost38ModelTrains.com

MILEPOST 38 MODEL TRAINS, INC.

5757 B East LaPalma Ave. 714-970-3751

CALIFORNIA • Atascadero

HO and N scale specialists. Midway LA and SF - U.S. 101. Easy access, Curbarill exit.
Locos-cars-bldgs - details, details, details.
Open Tues - Fri 10-6, Sat 10-5

CENTRAL COAST TRAINS

7600 El Camino Real # 3 805-466-1391

CALIFORNIA • Burbank

Large selection of N Scale Trains
All brands plus special orders
Visit us online or in person.
www.houseofhobbies.com
Secure online ordering

BURBANK'S HOUSE OF HOBBIES

911 S. Victory Blvd. 818-848-3674

Custom Painting & Building

ARE YOU READY FOR SCENERY? Let me finish and detail your model railroad with realistic scenery. Call me today. John Schaub - Railroad Model Scenery Studios 516-946-6880 john@railroadmodelsceury.com

ARTWORKS Kit assembly service; custom model design/construction; custom painting/ decorating. Inquire @ art@artspools.com, 972-562-6636

BUY, SELL, TRADE, REPAIR, MODIFICATION and upgrades. All scales. Richard's Disc Drives, Inc., Richard R. Johnson, 170 South Street, LaVelle, WI 53941, 608-985-7448, mechanic@mwt.net Ebay ID: Mechanic_2

CUSTOM BUILDER, kits, scratchbuilt from photos, plans. All scales. See my kits at www.Bill-Bradford.com 239-542-0087.

CUSTOM BUILDING & PAINTING, kit building, kit-bashing & scratchbuilding. Locomotives, rolling stock, structures & more. 12 Penny Lane, Newark, DE 19702, 302-366-7506, www.tmbcustommodels.com

CUSTOM LAYOUT BUILDING & LAYOUT DESIGN. Superb craftsmanship. Breathtaking scenery. Bulletproof reliability. Don't go another year without a layout. The Shelf Layouts Company. www.shelflayouts.com 301-404-8164.

CUSTOM PAINTING Steam, Electric, Diesel, Plastic or Brass. All scales. Your equipment or ours. Worldwide fast service. All work done in our shop by professionals. We also do shortlines, regionals and any railroad you may dream up. Detailing available. Trains Emporium, PO Box 70158, Reno, NV 89570, 800-228-7163. E-mail train@alpine.net www.trainemporium.com

CUSTOM PAINTING DIESELS, steam, rolling stock. All gauges N-G. Over 20 years experience. Your equipment or ours. Call for prices! 716-649-4686 or painter48@roadrunner.com

LAYOUT BUILDING & DESIGN by NKP. Track plans, building, maintaining, all or part. Southern California based. www.nkp.com

Real Estate

800' GARDEN RAILROAD. Comes with furnished retirement home and pool. Sid Ames, PO Box 13212, Mesa, AZ 85216.

www.HobbyRetailer.com

Click it! Find it! Now!

CALIFORNIA • La Mirada

We now carry Z, N, HO, S, O and G.
Lionel, LGB, S-Helper and MTH.
Mon-Sat 10-6. Closed Sunday.

R HOBBIES

14269 Imperial Hwy. 562-777-9492

CALIFORNIA • Lakewood

Trains & more trains.
HO, N, Lionel, large scale.
Great prices.
Mon-Fri 10-8, Sat 10-6, Sun 11-6.
www.hobbywarehouseinc.com

HOBBY WAREHOUSE

4105 East South Street 562-531-1413

CALIFORNIA • Lodi

Z - N - HO - O27 - G
Locos - Rolling Stock - Digital - Structures
Landscaping Material - Detail Parts

ROGER'S RAILROAD JUNCTION

105 S. Sacramento St. 209-334-5623

CALIFORNIA • North Hollywood

HO, N, Lionel, LGB, MTH, Märklin.
L.A.'s oldest train store, discount prices.
Coffee pot's on. Open 7 days.
roundhousetrains@gmail.com

THE ROUNDHOUSE

12804 Victory Blvd. 818-769-0403

CALIFORNIA • Novato

All popular train scales, scenery, layouts. Full service hobby shop. 20 min. north of San Francisco. R/C and more. Mon-Fri 9-6, Sat-Sun 10-5. www.dollhouses-trains-more.com

DOLLHOUSES, TRAINS & MORE

300 Entrada Dr. 415-883-0388

CALIFORNIA • Pasadena

Model rail specialists since 1951.
LGB, Lionel, O, S, On3, HO, HOm3, N, Z.
Complete stock of brass imports, new & used.
Books, tools, structures, detail parts.
Open 7 days. www.thewhistlestop.com

THE ORIGINAL WHISTLE STOP INC

2490 E. Colorado Blvd. 626-796-7791

CALIFORNIA • Redwood City

Sales & service all gauges & standard brands.
Auth. Lionel, American Flyer, Märklin & Trix dealer. American and European prototypes SS #097. We buy trains.
www loco-boose.com Call for hours.

LOCO-BOOSE ELECTRIC TRAIN SHOP

260-D Main St. 650-368-1254

CALIFORNIA • Roseville (Sacramento)

Exclusively model trains since 1989.
Atheam, Kato, MDC, Lionel, Atlas, LGB, Märklin, Brass Imports, books, detail parts.
Everyday low prices. Open 7 days.
www.rhobbies.com

RAILROAD HOBBIES

119 Vernon St. 916-782-6067

CALIFORNIA • Sacramento

6,000 Sq Ft. model train store.
Consignments all scales.
Large selection of HO & N scale supplies.
Authorized dealer Lionel, MTH, LGB.
Open 7 days.

BRUCE'S TRAIN SHOP

2752 Marconi Ave. 916-485-5288

CALIFORNIA • San Anselmo

Large selection of brass locomotives.
O, HO, N, Z, Märklin, Lionel.
Supplies & repairs. Custom painting.
20 minutes north of San Francisco.
Open 7 days a week. www.gunnings.com

GUNNING'S HOBBIES

538 San Anselmo Ave. 415-454-3087

CALIFORNIA • San Diego

Model Trains Exclusively Since 1949
HO & N scale our specialty. Best selection of Railroad books, Videos, kits and scratch building supplies in San Diego. Tu-Th 10-6, Fri 10-3, Sat 10-5, Closed Sun & Mon.

THE WHISTLE STOP

3834 Fourth Avenue 619-295-7340

CALIFORNIA • San Diego (La Mesa)

Exclusively trains. Craft kits, detail parts, scratch supplies, books.
Ride the trolley to Reed's.
Open Monday through Saturday 10:00-6:00.
www.reeds-hobbies.com

REED'S HOBBY SHOP

8039 La Mesa Blvd. 619-464-1672

CALIFORNIA • San Diego (Mira Mesa)

San Diego's LARGEST Hobby Shop
open 7 days N, HO, O Lionel & MTH
Special orders and preorder discounts
Huge operating layout with trains & slot cars
WWW.HOBBY101.COM

HOBBY CENTRAL

9705 Carroll Centre Rd. 858-693-0373

CALIFORNIA • San Dimas

Exclusively model RRing since 1974.
Huge Inventory N thru G Scales
Worldwide Shipping www.trainstop.com
Tue - Sat 10am - 5pm Fax 909-599-1566.

THE TRAIN STOP

211 W. Bonita Ave. 909-599-2602

CALIFORNIA • San Francisco

Large collection Lionel & Am. Flyer. Auth. service. Buy, sell & trade. N, HO, Märklin & LGB. Call Sat 10-6, Sun 12-5.
Located south of Ghirardelli Sq., heart of S.F.

CHAN'S TRAINS AND KITS

2450 Van Ness @ Union St. 415-885-2899

CALIFORNIA • San Francisco

TRY US
www.franciscanhobbies.com

FRANCISCAN HOBBIES

1920A Ocean Avenue 415-584-3919

CALIFORNIA • San Mateo

LGB, Lionel, Märklin, HO, N scales.
Domestic and imported trains.
Mon-Sat 9:30-6, Sun 11-5.

TALBOT'S HOBBIES

445 South "B" Street 650-342-0126

CALIFORNIA • Santa Clara

100% trains. Buy, sell, trade.
9:30am - 6pm Tues. - Sat.
Closed Sun. and Mon.
Vern Cole - Dennis Cole.

THE TRAIN SHOP

1829 Pruneridge Ave. 408-296-1050

CALIFORNIA • Sonoma

100% trains G to Z scale & narrow gauge.
All brands. Repairs.
Sat 10am-6pm.
For other times, please call.

N & E HOLMES SIERRA RAIL SHOP

19233 Rockridge Way 209-532-6381

CALIFORNIA • Tehachapi

Visit us and the Tehachapi Loop
N thru G. Also Trains with history
Mon thru Sat 9:30-5:00 and Sun 11:00-5:00
Drop off for Lionel repair
www.trainsetc.biz or trainsetc@sbcbglobal.net

TRAINS, ETC.

114 W. Tehachapi Blvd. 661-822-7777

CALIFORNIA • Thousand Oaks

Massive inventory. All gauges. Full service hobby shop. Very competitive discount prices. If you can't find it, call us. All credit cards accepted. Open M-Th 10-8, Fri til 9, Sat til 6, Sun til 5. www.martys-hobbies.com

MARTY'S HOBBIES

1728 Moorpark Rd. 805-497-3664/0346

CALIFORNIA • Ventura

N, HO, O, O27, Am Flyer & G Scale, Track, parts & accessories. Ventura's best selection of trains and toys, new and used.
Open M-F 10-6, Sat 10-5, Sun 11-3
www.friendsjunction.com

TOYS N' TRAINS

1974 E. Main St. 805-643-8697

CALIFORNIA • Ventura
DCC/Sound Installation. Largest selection of Z gauge trains & access. Between LA & SF! Complete lines in HO, N, O, O27.
Track, structures, scenery & supplies.
Open 7 days. www.venturahobbies.com
VENTURA HOBBIES
2950 Johnson Dr. #128 805-658-8138

CALIFORNIA • Westminster (Orange Co.)
World Famous
Since 1977
www.arniestrains.com
ARNIE'S TRAINS
6452 Industry Way 714-893-1015

CALIFORNIA • Yuba City
A full service model train store. Large inventory, HO, N, O & O27 Tinplate. Books, videos, collector & gift items. Repair service. We buy old toy trains.
www.westemdepot.com
THE WESTERN DEPOT
1650 Sierra Ave. #203 530-673-6776

COLORADO • Colorado Springs
New and used brass, Southern Colorado's oldest, largest, and most complete train store. All gauges. Authorized Lionel and MTH sales and service.
www.CustomRailwaySupply.com
CUSTOM RAILWAY SUPPLY
1025 Garden of the Gods Rd. #D 719-634-4616

COLORADO • Colorado Springs
Full service store for all skill levels. 100% trains. Z, N, HO, O, G scales. Lionel, Märklin, MTH. Authorized Dealer. Repair all gauges. www.sunbirdtrainmart.com
Open Mon-Sat 10-7:30, Sun 12-5.
DISCOUNT TRAINS
3311 N. Academy Blvd. 719-574-2080

COLORADO • Denver
Since 1938! Our store is over 18,000 sq. ft. Approx. 1,800 brass models & 1,000 book titles! All scales & gauges. Open daily. See all this & more in our on-line catalog.
http://www.caboosehobbies.com
CABOOSE HOBBIES, INC.
500 S. Broadway 303-777-6766

COLORADO • Westminster (Denver)
Featuring "The Wall of Trains." Lionel-MTH-LGB. Rocky Mts. largest selection of trains. All brands/scales. Diecast - models & hobbies. Open 7 days. Auth. Lionel Service Center.
www.MizellTrains.com
MIZELL TRAINS, INC.
3051 W. 74th Ave. 303-429-4811

CONNECTICUT • Branford
Trains, planes, boats, cars.
Closed Sun & Mon.
Open Tue, Wed, Thu 10-5:30.
Fri 10-9, Sat 10-5.
(West Main)
BRANFORD HOBBIES
609 W. Main St. (rear) 203-488-9865

CONNECTICUT • Canaan
Mainly model railroading.
All scales.
e-mail: berkshirehills.hobby@snet.net
Tues-Fri 11-6, Sat & Sun 10-5.
BERKSHIRE HILLS HOBBY SUPPLY
93 Main St. (Rt. 44) 860-824-0527

CONNECTICUT • Cos Cob
HO, N, Lionel, Lionel Authorized dealer & repair. Plastic, wood kits, rockets, tools, structural & diorama supplies.
Special orders welcome.
ANN'S HOBBY CENTER
405 E. Putnam Avenue 203-869-0969

CONNECTICUT • Danbury
Totally trains! Lionel, AF, MTH LGB, Aristocraft, HO & N. Vintage trains bought, sold, & repaired. Open Tues-Fri 11-6, Sat 10-5, Sun 11-4. Closed Mon & Holidays.
April - Sept closed Mon & Tues.
RAILWORKS, INC.
5 Padanaram Rd. 203-797-8386

CONNECTICUT • Manchester
All scales Z, N, HO, O, O-27, G, #1, MTH, Lionel, Märklin, LGB, Walther's, Aristocraft, etc. Digital Sales-Install, Large operating layouts. www.nehobby.com
Mon-Wed 10-6, Thu-Fri 10-8, Sat-Sun 10-6.
Time Machine Hobby - New England Hobby Supply
71 Hilliard St. 860-646-0610/Fax-645-0504

CONNECTICUT • Wolcott
Exclusively brass models. One of the largest selections in the country. All scales. Buy, sell, trade - entire collections bought.
Mon-Fri 8-5.
www.thecaboose.com
THE CABOOSE
5 Mohawk Drive 203-879-9797

CONNECTICUT • Wolcott
Atheam, Con-Cor, Atlas, Kadee, all scales. Hard-to-find items. Diecast.
Tues., Wed., Fri. 10 - 6. Thurs. 10 - 8. Sat. 9 - 5. Sun. 1 - 5. Closed Mon.
www.hobbygalleries.com
THE HOBBY GALLERY
1810 Meriden Road 203-879-2316

DELAWARE • Ocean View
No sales tax at the Delaware seashore. Lionel new & used...also K-line, LGB, MTH. We buy used trains. Expert repairs.
See our running displays - gauges N to G. Open Tues-Sat 11-6:00. Closed Sun & Mon.
SEASIDE HOBBIES
15 Daisy Ave. 302-539-1601

FLORIDA • Cape Canaveral
Lionel, American Flyer, Marx. Trains bought, sold and repaired.
www.chocochoauctions.com
Fax: 321-799-4044

CHARLES SIEGEL'S TRAIN CITY
405 Atlantis Rd, Ste C 321-799-4005

FLORIDA • Clearwater (St. Pete)
Ever Expanding Inventory - All Gauges
Loyalty Club Discount - Up to 20%
Walther's Sale Prices
Shop online or in store at
www.transandtrees.com
TRAINS AND TREASURES
1710 N. Hercules Ave. 727-298-0350

FLORIDA • Ft. Lauderdale (Plantation)
Brass, plastics, railroad items of all types. G, Z, N, HO, HO3, On2, On3, On30, Lionel, MTH. Kits & supplies.
Since 1972. Mon-Sat 10-8, Sun 11-5.
www.HobbySupplies.com
WARRICK CUSTOM HOBBIES
7676 Peters Road 954-42-HOBBY

FLORIDA • Lantana (West Palm area)
Full line Hobby Shop specializing in Trains.
M-Sat 9:30-6:00, Sun 11:00-4:00.
www.depotohobbyshop.com
NEW LOCATION
1/2 mile east of I-95 exit #61.
THE DEPOT HOBBY SHOP
518 W. Lantana Rd. 561-585-1982

FLORIDA • Miami
Shop "Warehouse Style" for Z to G. MTH, Lionel, Kato, LGB, Broadway Ltd., Atlas, Peco. Walther's at discount prices.
Open Mon 11-5, Tue-Fri 10-6, Sat 9-6, Sun closed Feb-Oct, Nov-Jan 10-3.
READY TO ROLL
831 N.W. 143rd Street 305-688-8868

FLORIDA • Mount Dora (Orlando area)
Specializing in HO. All major brands at attractive prices. Visit our lakeside shopping and dining village in downtown Mount Dora.
Open Daily 10-5. Sun 12-4.
allaboard.southearthlink.net
ALL ABOARD SOUTH TRAIN SHOP
107 E. 4th Ave. 352-250-1252

FLORIDA • Ocala
HO, N trains & accessories.
Visa, MC, Discover.
Open Mon-Fri 10-5:30, Sat 9-4, Sun 12-4
ROB'S HOBBY WORLD
8602 SW State Rd. 200 352-854-2799

FLORIDA • Ocala
A complete line of model railroading. Open 6 days a week. Check our prices! All major credit cards accepted. Fax 352-369-5153
www.trainsofocala.com
trains1@atlantic.net
TRAINS OF OCALA
1729 NE 8th Road 352-369-5152

FLORIDA • Orlando
One of Florida's largest model train & hobby shops. All scales.
Authorized Lionel & MTH service station.
Mon-Thu 9-7:30, Fri 9-9, Sat 9-6.
20 min. from Disney.
COLONIAL PHOTO & HOBBY, INC.
634 North Mills 407-841-1485

FLORIDA • Pensacola
Full line Hobby Shop
Featuring HO, N gauge trains & accessories.
Mon-Sat 9am-6pm
www.hobbyshopfla.com
BOBE'S HOBBY HOUSE
5719 N. "W" Street 850-433-2187

FLORIDA • Pensacola
Competitive prices, friendly service. All makes, models, trains & accessories bought/sold. Z-G. Lionel, Micro-Train, Märklin, Digitrax, LGB, Dealer. Directions: Old Palafox at 10 Mile Rd. www.trains-usa.com
TRAINS BY JOHNSON
10412 N. Palafox St. 850-478-8584

FLORIDA • Port Orange (Daytona Beach)
Your Southern Connection for Quality Products! Featuring O, HO, G & N. MTH MegaStation & National Service Center. Lionel Service Center. M-F 10-5; Sat 10-4.
www.rounhouseouth.com
ROUNDHOUSE SOUTH
4611 Ridgewood Ave. 386-304-7003

FLORIDA • Sarasota
Trains, trains, trains.
Model railroading at its best.
Visit us in the store or on the Web at www.gcmr.com
Open Mon-Thu 10-5, Fri 8-5, Sat 10-5.
GULF COAST MODEL RAILROAD, INC.
3222 Clark Rd. 941-923-9303

FLORIDA • Tampa
HO trains for the craftsman. Large operating layout. Scratchbuilders supplies.
www.happyhobotrains.com
HAPPY HOBO
4040 W. Waters Avenue 813-886-5072

FLORIDA • Tampa/St. Pete/Clearwater
The last decent place in Florida not endorsed by Mickey Mouse. Huge inventory in all gauges. Great store, come see!
Daily 10-6, Fri til 9, Sat 10-6, Sun 11-5
www.hrrtrains.com
H & R TRAINS, INC.
6901 US 19 N @ Haines Rd., P.P. 727-526-4682

GEORGIA • Atlanta (Kennesaw)
Trains: N, HO, DCC.
Paints, tools, plastics, books, mags, videos. Service and repairs, custom painting, detail parts.
Fax 770-928-9310
KENNESAW TRAINS & HOBBIES, INC.
2844 S. Main St. 770-528-0990

GEORGIA • Atlanta (Riverdale)
Atlanta's Finest Shop for serious modelers! Quality items in all scales at fair prices. Service - Repairs. 27 years of quality service. Close to all Interstate Hwys.
8-min. from Atlanta Airport. Tue-Sat 10-5:30
RIVERDALE STATION
6632 Hwy. 85, Riverdale Plaza 770-991-6085

GEORGIA • Atlanta (Roswell)
Wide selection of Lionel, Märklin, MTH, LGB & Woodland Scenics.
Z - N - HO - O - G Scales
www.atlantatrains.com
ATLANTA TRAINS
4765 Alabama Rd NE (Hwy 92)#120 770-992-2785

GEORGIA • Blue Ridge
North Georgia's train store in Blue Ridge. Specializing in HO & N scale - great selection of South Eastern road names.
Mon-Fri 9:00-5:30; Sat 10:00-2:00
www.freetimehobbies.com Valley Village Ctr.
FREE TIME HOBBIES
4167 East First St. 706-946-1120

GEORGIA • Duluth (Atlanta)
Quality, selection & service. Discount pricing in all scales.
www.trainmastermodels.com
T-W-Th 11-7, F-Sat 11-8, Sun 1-5; Clsd. M.
Across from NS Mainline & S.E. RR Museum
TRAINMASTER MODELS
3570 Buford Hwy. NW 770-622-1611

GEORGIA • Helen
Model railroader's delight. Experience a trip through Germany "from the North Sea to the Alps" in HO scale. Educational! Local, Thomas and Friends & Etc. Trains. Auth. Lionel Dealer. www.georgiamodelrailroad.com
CHARLEMAGNE'S KINGDOM
8808 North Main Street 706-878-2200

GEORGIA • Lawrenceville (Atlanta)
Trains of all sizes and makes. HO, G, O, and N scale. 3 operating layouts, excellent selection and service, train repairs.
www.legacystation.com to order on-line
24hrs. 800-964-8724 770-339-4417 fax.
LEGACY STATION TRAIN WORKS
251-F Hurricane Shoals Rd. 770-339-7780

GEORGIA • Pooler (Savannah)
Trains exclusively! Full line store: new & used. Specializing in N, HO & G scales. Custom building, DCC installations, Thomas & Friends. Hours: Mon-Fri 4pm-8pm, Sat 12pm-6pm.
www.2ndchanceatrails.com
2ND CHANCE TRAINS
1024 W. Hwy. 80 # 111 912-450-8726

GEORGIA • Savannah
Quality HO & N model RR supplies.
Mon-Sat 9:00-6:00.
Sun 1:00 - 5:30
1-800-611-8521, e-mail bullst@bellsouth.net
www.bullst.com
BULL STREET STATION
151 Bull Street 912-236-4344

IDAHO • Nampa
Idaho's best kept secret. A large selection of new/old stock. HO scratchbuilding and detail parts. Special orders welcome. Located in the Karcher Mall. Mon-Sat 10-9, Sun 12-4.
TEAM DEWEY TOYS & HOBBIES
1509 Caldwell Blvd. #19 208-461-5028

ILLINOIS • Antioch
Exclusively model trains & slot cars. Lionel value-added dealer. Trains & accessories from Z - G scales. Kato, Atlas, Micro-Trains, MTH & Lionel. Formerly N Scale Memories.
Call for hours.
ANTIOCH MODEL TRAINS & HOBBY
924 Main St. 847-395-5025

ILLINOIS • Berwyn
Atheam parts, Walther's, Atlas, Details West, Kadee, Badger, Aztec, Micro-Trains, Evergreen, Plastruck, lumber, paint, Lionel, Flyer repairs. Rocketry, plastic models, dollhouses. Used magazines. www.bchobbycity.com
HOBBY CITY
6910 W. Cermak Rd. 708-795-0280

ILLINOIS • Burbank
Specializing in HO. One of the largest, most complete exclusive model railroad shops in the Midwest. Daily 11-7, Sat 10-5.
(Sun 11-3, Oct-April only). Closed Wed.
THE GOLDEN SPIKE TRAIN SHOP
6357 W. 79th Street 708-598-3114

ILLINOIS • Chicago
Full service store featuring "G", "O" (scale & Hi-Rail), "HO", "N" scale, books, tapes, DVD's, repair department. 15 minutes from O'Hare.
Fax 773-775-6398
CHICAGOLAND HOBBY
6017 N. Northwest Hwy. 773-775-4848

ILLINOIS • Chicago
Railroad memorabilia and models
HO, N and Z Scales
Airline memorabilia and models
www.graylandstation.com
Buy - Sell
GRAYLAND STATION
5514 W. Devon Ave. 773-594-1906

ILLINOIS • Decatur
Specializing in trains.
HO, O, N, and G. All discounted.
www.firsthobby.com
e-mail sales@firsthobby.com
FIRST HOBBY
2495 E. Federal Dr. 217-872-1733

ILLINOIS • Des Plaines
N, HO, S, O, G Std. & Narrow gauge too. Lots of scratchbuilding parts and stuff too. Brass, books & videos. Close to O'Hare. Purchases shipped anywhere. M, Th, F 10-8; Tu & W 10-6; Sat 9:30-5; Sun 11-5.
DES PLAINES HOBBIES
1468 Lee St. (Mannheim Rd.) 847-297-2118

ILLINOIS • Elburn
The ultimate importers of European Model Trains. We carry Märklin, Fleischmann, Roco, Falter and many others!
fax 630-365-6345 www.reynaulds.com
REYNAULDS' EURO-IMPORTS, INC.
122 N. Main St. 888-ROCO-USA

ILLINOIS • Elgin
N, HO, O, Circus models. Scratchbuilding supplies, paints, tools. Repair service. We will special order. Digitrax dealer.
B & G TRAIN WORLD
829 Walnut Ave. 847-888-2646

ILLINOIS • Elmhurst
Serving Chicago and for over 50 years. Specialist in HO, N, Lionel, RC, plastic detailing parts, decals, paints, books. Minutes from O'Hare. UPS anywhere. Club discount. trains@alshobbyshop.com
AL'S HOBBY SHOP
121 N. Addison Ave. 630-832-4908

ILLINOIS • Geneva
Quality model railroading products.
Mon-Fri 10-7, Sat-Sun 10-5.
E-mail sales@structuresandtrainsbyfred.com
www.structuresandtrainsbyfred.com
STRUCTURES AND TRAINS BY FRED
12 N. Second St. 630-208-9011

ILLINOIS • Marion
Full-Line Hobby Shop.
HO & N scale locomotives, scenery, plastic models, R/C, tools, paints, and more.
Open Tue - Fri 2-8pm, Sat 10 - 5pm
CHUCK'S DEPOT
1913 W. Rendelman St. P/F 618-993-9179

ILLINOIS • Maryville
Large 60' x 70' customer operated DCC HO layout. Located 17 miles from St. Louis near I-70/I-55 exit 15B. For shop hours/maps, pictures, layout construction times, train running see www.k-10smodeltrains.com
K-10'S MODEL TRAINS
19 Schiber Court 618-288-9720

ILLINOIS • Mundelein
Specializing in trains, HO, N, O, G, Lionel. Books and videos. Northern IL railroad headquarters. Closed Monday. Please call for other hours. Fax 847-949-8687.
ronhobby@aol.com
RON'S MUNDELEIN HOBBIES
431 N. Lake St. (Rt. 45) 847-949-8680

ILLINOIS • Springfield
HO / G / N.
Special orders / discount prices.
Display layouts / clinics / assistance.
Sat 9-9; Sun 12-5; Tues & Thurs 10-9.
CASTLE TRAINS & TREASURES
4782 Old Jacksonville Rd. 217-793-0407

ILLINOIS • Wheeling
NW suburbs' largest hobby store. HO & N scale model RR equip. R/C planes, cars, & boats. Huge selection of plastic kits.
Mon-Fri 10-8:30, Sat 10-6, Sun 10-5.
www.venturehobbies.com
VENTURE HOBBIES
23 Huntington Ln. (Dundee Rd.) 847-537-8669

ILLINOIS • Woodstock
Trains & Accessories for Z thru G. Authorized Lionel and Märklin dealers. Large Operating Lionel Layout.
Tues - Sat 10-8, Sun 12-4
Visit us at www.woodstockhobbies.com
WOODSTOCK HOBBIES, LTD.
124 Cass St. (Woodstock Sq.) 815-337-8770

INDIANA • Bremen
Small town, Large shop, all scales. Discounts. Three operating layouts. Large selection - since 1961.
M, Tu, Th, F 10-6; Sat 10-4
BREMEN HOBBIES
308 N. Ind. 331 574-546-3807

INDIANA • Dyer
N, HO & O, DCC & Digitax Dealer. Atlas, Atheam, BLD & Walther's. Plastics, modeling supplies & detail parts. Special orders.
Competitive prices. M-F 10-7; Sat 10-5; Sun 11-3. www.parklanehobbiesonline.com
PARK LAKE HOBBIES
1080 Joliet St. (US 30) 219-322-1123

INDIANA • Elkhart
Authorized Lionel Value-added dealer. MTH retailer and Atlas, O, and American Flyer. Kato, Micro Trains, Woodland Scenics, USA Trains, Walther's, Dept. 56. Disc. on everything. www.rupelttoytrains.com
RUPEL TOY TRAINS
23631 US Highway 33, Suite D 574-875-8008

INDIANA • Indianapolis
Trains are our only business! HO, N, O27.
Brass, books, magazines, detail parts, paints
& accessories. 1 block West of
Shadeland Ave. on Washington St.
Mon-Sat 10:30-6, www.waynestrains.biz
TRAIN CENTRAL
6742 E. Wash. (U.S. 40) 317-375-0832

INDIANA • Indianapolis (Greenwood)
NEW LOCATION! I-65 to Greenwood exit.
West on Main to Madison, south on Madison.
HO & N scale new & used.

WHISTLES & GROWLS, INC.
380 S. Madison Ave., Ste. D 317-881-6362

INDIANA • Lafayette
New location. You have to see it to believe it.
Color photos, rolling stock, structures,
detail parts; HO, N, HO, O, N scales.
Monday - Friday 12-5; Sat 10-5.
Evenings by appointment.
HAWKINS RAIL SERVICES
3501 Union St., Suite 6 765-742-5577

INDIANA • Valparaiso
Complete line of hobby needs. HO, N,
Lionel. New, used, buy, sell, trade, repairs.
R/C cars & planes.
Mon-Thurs 9:30-5:30, Fri 9:30-8, Sat 9:30-5.
VALPARAISO PET & HOBBY SHOP
18 North Washington 219-462-8346

IOWA • Cedar Rapids
Trains HO & N, Athearn, Atlas, MDC,
Con-Cor, B&B, Kadee, M-F 10-8, Sat 9-5,
Sun 12-5 in the Town & Country
Shopping Center. Hobbies for everyone.
www.boxcarhobbies.com
BOX CAR HOBBIES
3655-A 1st Ave. S.E. 319-362-1291

IOWA • Urbandale
N, HO, & O
Lionel, MTH, Atlas
Exit #129 I-80/1-35, 1/2 mile south
Iowa's premier Model Railroad store
Open 7 days a week.
HOBBY HAVEN
2575 86th Street 515-276-8785

KENTUCKY • Elizabethtown
Huge showroom featuring model railroad
supplies in all gauges. Specializing in N, HO,
Z, and 3-rail O gauge. Collectible diecast toys,
model kits, rockets, metal hand-painted toy
soldiers & much, much more. Open 7 days.
HOBBY STATION
Houchens E-Town Plaza 270-737-2000

KENTUCKY • Louisville
Large selection of HO & N Scale products.
Walthers and Digitrax dealer. Everything you
need for your layout. Helpful sales staff.
Mon-Fri 10-7:30, Sat 10-5, Sun 1-5.
www.snhobbies.com
SCALE REPRODUCTIONS, INC.
3073 Breckinridge Ln. 502-459-5849

LOUISIANA • Shreveport
Full Line Hobby Shop. Athearn, Walthers,
Atlas, Bachmann, Digitrax and more.
Z-G, Trains, RC, Plastics and Die Cast.
Mon-Fri 10-8, Sat 10-4, Discount Pricing.
www.trendstrains.com
TRENDS AND TRAINS
2609 Mackey Ln. 318-671-8896

MAINE • Ellsworth
HO & N scale trains, accessories, paint, tools,
plastic models, rockets, craft & art supplies.
Best selection in the area.
Special orders a pleasure.
Mon-Sat 9-6, Sun 10-5
THE CRAFT BARN
Mill Mall, 248 State St. 207-667-7257

MAINE • Falmouth
HO scale model trains. Custom paint
structure building, scenery, parts, tools, DCC,
N, E, RRs our specialty. Located on Rt. 1
between Portland & Freeport M-Sat 10-5,
Sun 12-4, www.mainemodelworks.com
MAINE MODELWORKS
417 US Route 1 207-781-8300

MAINE • Kezar Falls
One of the largest HO & N stocks in
Northern N.E. Athearn, Atlas, MDC,
Shinohara, etc. Mon, Tue, Thur & Sat 10-4;
Fri 10-8. Midway between Portland, ME
and Rochester, NH. www.mainetrains.net
MAINE TRAINS
21 Elm St. 207-625-4916

MARYLAND • Annapolis
If we don't have it, we'll get it! LGB, Woodland
Scenics, Walthers Dealer, Aristo,
Delton, Pola, Lionel, Bachmann,
Spectrum, Proto 2000. Mon-Sat 10-6.
Full line Kalmbach! starhobby@msn.com
STAR HOBBY
1564 Whitehall Rd. 410-349-4290/4291

MARYLAND • Baltimore/Cockeysville
Model railroad headquarters since 1913.
Excellent selection HO & N equipment
& accessories. Lionel, K-Line
All at discount prices. Mon-Fri 10-5; Sat 9-5.
www.modeltrainstuff.com
M.B. KLEIN
243-A Cockeysville Rd. 410-229-9995

MARYLAND • D.C. - VA, Kensington
Metro area's largest train shop
& widest selection.
Specializing in Lionel and collectibles.
LIONEL BUY & SELL
3610 University Blvd. 301-949-4000

MARYLAND • Frederick
Western Maryland's largest full-line shop.
MTH, Lionel, LGB, G, HO, N, Z,
Digitrax, MTH Authorized Service Center.
Open 7 days!
www.htfrederickmd.com for hours & map
HOBBYTOWN USA
919 C. N. East St. 301-694-7395

MARYLAND • Laurel
Maryland's largest selection of brass.
Steel Mill Modeler's Headquarters.
10-5 Mon - Sat, 10-9 Thurs
www.peachcreekshops.com
Discount prices!
PEACH CREEK SHOPS
9105-L All Saints Road 301-498-9071

MARYLAND • Mt. Airy
For all your model railroad needs, from G to Z
gauge. Lionel, Flyer, American Models, LGB,
Marklin, Atlas, Athearn, Bachmann, Life-Like,
Kato, Mantua and more. Trains, accessories &
scenic materials. Since 1910.
TRAIN DEPOT
6 S. Main St. 301-607-8155

MARYLAND • Sykesville
Central Maryland's best kept secret - a family
friendly model train shop that specializes in
HO & N Scale at very generous discounts.
Please call for hours or visit us at
www.themoosecaboose.com
THE MOOSE CABOOSE
1341 W. Liberty Rd. 410-795-4610

MARYLAND • Waldorf
We specialize in All Scales! Atlas, Athearn,
BLI, Bachmann, Marklin, LGB, Lionel & MTH.
Digitrax, QSI, DCC Installation, Service &
Repairs. gsts@gscalestation.com
www.gscalestation.com
G-SCALE TRAIN STATION
2975 Old Washington Rd. 866-374-9340

MASSACHUSETTS • Acton (West)
100% trains, N, HO, HO, N3, O,
kits, tools, books, videos.
New/used, buy, sell, trade.
Appraisals. Railroading spoken here.
M, W, F 7pm-9pm, Sat 9am-5pm.
ACTON MODEL RAILROAD CENTER
652 Mass Ave. (Rt. 111) 978-264-4020

MASSACHUSETTS • Chelmsford
HO & N Model Railroad
Scale kits, parts & supplies.
How-to books and magazines.
Tues.-F 11AM-6:30PM, Sat 10AM-5PM,
www.mainetrains.com
MAINE TRAINS
210 Boston Road Rt. 4 978-250-1442

MASSACHUSETTS • Duxbury
G, 1 - O - S - HO - N - Z.
Buy - Sell - Trade - New - Used - Repairs.
Marklin Dealer.
Open Every Day 11-6
Fax 781-585-0054
DUXBURY RAIL, INC.
382 Kings Town Way (Rt. 53) 781-585-2164

MASSACHUSETTS • Leominster
Specializing in New England road names,
HO/N Scale. Micro-Trains, Walthers, Horizon
dealer. Special orders discounted.
W, F 11-6, Sat 10-6. shepaugr@aol.com Visit
us online @ Newenglandtrains.com
SHEPAUG RAILROAD COMPANY
152 Pleasant St. 978-537-2277

MASSACHUSETTS • Peabody
Trains old & new, bought, sold, repaired. All
gauges, makes, & conditions. Specializing in
Lionel, AF, Atlas, K-Line, MTH, Weaver,
Williams. (A Walthers dealer). Diecast model
kits, paints, air brushes, scenery, etc.
NORTH EAST TRAINS (The Original)
18 Main Street 978-532-1615

MASSACHUSETTS • Rockland
Everything for the model railroader from N
thru G. Auth. Lionel & Atlas O dealer. Large
selection of magazines, videos, books. Expert
repairs. Between Boston/Cape Cod. Tues.
Wed 10-5:30, Thurs & Fri 10-8, Sat 10-5
BILL'S FRIENDLY TRAIN SHOPPE
323 Centre Ave. 781-982-5292

MASSACHUSETTS • Rowley
HO exclusively: Sets, engines,
lots of structures & thousands of detail
accessories for beginner & craftsman!
Specializing in Civil War era RR. Wed, Fri.,
Sat. 10-6; Thurs. 12:30-8, Sun. 12:30-5.
MOOSE MINIATURES
On Rte. 1 @ Rte. 133 978-948-6668

MASSACHUSETTS • Sudbury
N-Scale exclusively.
Large stock of quality rolling stock
& accessories in our fine store!
Open Wed., Thu. & Fri. 4-8,
Sat. 10-5, Sun. 2-5.
KEN'S TRAINS
Mill Village, Rt. 20 978-443-6883

MASSACHUSETTS • Townsend
Full-line Hobby shop. HO, N, O RR Supplies
Plastic model kits. Thomas & RC.
Auth. dealers of Digitrax, Lionel, Traxxas
& MUCH MORE!!!
LightHouseHobbies.com. Open Tue-Sat 10-9
LIGHTHOUSE HOBBIES
18 Main St, Harbor Village Ship Ctr. 978-597-2600

MASSACHUSETTS • Warren
HO, N & O scale.
Extensive stock of parts and tools.
Huge railroad book and video collection.
Kits, buildings, scenery, Brass.
Open Tuesday - Saturday 10-5, Friday til 9.
TUCKER'S HOBBIES
29 Bacon Street 413-436-5318

MICHIGAN • Bridgeport
Scales Z to G. All at discount prices.
Am. Models, Aristo, Athearn, Atlas,
Bachmann, Con-Cor, IHC, USA, Kadee, Kato,
K-Line, Lionel, MTH, Walthers, LGB, HLW.
www.hobbyroad.com
JUNCTION VALLEY RR HOBBY SHOP
7065 Dixie Hwy. 989-777-3480

MICHIGAN • Flint
G (LGB & 1:20.3), O (Lionel & MTH), On30,
HO, N, & Z. Locos, cars, figures, buildings,
track, kits, scenery supplies, details, books &
videos. Digitrax Dealer. Repair service.
VISA/MC. Mon-Fri 10-8, Sat 10-6, Sun 12-5
RIDERS HOBBY SHOP
2061 S Linden Rd 810-720-2500

MICHIGAN • Fraser
Full line hobby shop.
Open Mon-Fri 10-8, Sat 10-6, Sun 12-5
www.pdohobbyshop.com
P & D HOBBY SHOP
31280 Groesbeck Hwy. 586-296-6116

MICHIGAN • Grand Rapids
LGB, O (Lionel, MTH & Scale), HO, N & Z
Locos, cars, figures, buildings, track, tools,
kits, scenery supplies, details, books, videos.
Digitrax Dealer. Repair service VISA/MC
Open Mon-Sat 10-9
RIDER'S HOBBY SHOP
2055 28th Street SE 616-247-9933

MICHIGAN • Kalamazoo
Trains & train related items. MTH, RailKing,
Lionel, Flyer, HO & N New & used. We buy old
trains & toys. Large 3,000 sq ft O gauge layout.
Fri 1-6; Sat 10-5.
THE TRAIN BARN
10234 East Shore Dr. 269-327-4016

MICHIGAN • Livonia/Detroit
BUY - SELL - REPAIR
All Scales Z thru G. New and Preowned.
Complete selection of trains
and railroad supplies.
Tues - Friday 11-7, Sat 11-6.
MERRI-SEVEN TRAINS
19155 Merriman Dr. 248-477-0550

MICHIGAN • Mount Pleasant
We carry N through G scale, structures,
tools, scenery, scratch building supplies.
Special orders welcome.
Authorized Lionel & MTH Dealer.
Open Mon - Fri 9-6, Sat 10-3, Closed Sun.
MOUNTAIN TOWN HOBBY'S
307 S. Mission St. 989-779-7245

MICHIGAN • Pickney (Ann Arbor area)
Large operating display layout. Featuring
MTH, Atlas O, Lionel, American Models,
S Helper, Bachmann G scale.
Plenty of HO, too. Closed Mondays.
We are in Dexter Township at Portage Lake.
MICHIGAN MODEL TRAIN CENTER
9260 McGregor Rd. 734-426-1651

MICHIGAN • Saginaw
Authorized Lionel & MTH Service & Sales.
Digitrax Dealer. 1,000's of parts, books, tools,
supplies. Major product lines, accessories.
E-mail bobc@traindoctor.com www.
brasseur-electrictrains.com Fax 989-793-2509
BRASSEUR ELECTRIC TRAINS
410 Court St. 989-793-4763

MICHIGAN • Taylor
Lionel, HO, N Scale Model Railroad
Open Mon-Fri 10:00 am - 8:00 pm
Sat 10:00 am - 6:00 pm
Sun 12:00 pm - 5:00 pm
RIDER'S HOBBY
22789 Northline Rd. 734-287-7405

MICHIGAN • Traverse City
Let your imagination run wild!
Z to G, Lionel, scenery, tools
structures, scratchbuilding supplies,
special orders, ships, armor, cars,
dollhouse miniatures, more.
TRAINS & THINGS HOBBIES
210 East Front St. 231-947-1353

MICHIGAN • Wyoming
HO, N and Marx bought and sold.
American Flyer and Lionel also.
Tuesday thru Friday 12-6, Saturday 10-5.
Other hours available by appt. Please call.
HOBBY RECYCLING
2313 Lee St. SW 616-257-7155

MINNESOTA • Duluth
A very complete train shop. Special orders
accepted. Brass, PFM, Key, Sunset, Kato,
Athearn, MTH...custom painting & DMIR
scratch built cars. Lionel sales & service.
CARR'S HOBBIES
2009 W. Superior St. 218-722-7129

MISSOURI • Branson/Hollister
The Ozarks' full-line hobby center.
N-G scale trains & building accessories.
Special Orders Welcome.
E-mail: tpahobby@aol.com
TPA HOBBY CENTER
251-A St. James St. 417-335-6624

MISSOURI • Kansas City
Trackside location in K's Historic
West Bottoms. HO & N Scale Trains,
Tools, Special Orders. Digitrax Dealer.
Exclusive "weathered" T-shirts.
www.docscaboose.com
DOC'S CABOOSE INC
1400 Union Ave. 816-471-7114

MISSOURI • St. Louis
One of St. Louis's largest train stores. All
scales plus repair services and detail parts.
Authorized Lionel, LGB, and Marklin service
centers. Mon-Fri 10:00am-7:00pm. Sat
10:00am-5:00pm. Sun. 12:00pm-4:00pm.
HOBBY STATION
301 S. Kirkwood Rd. 314-822-1927

MONTANA • Billings
Model railroading headquarters for the
Northern Rockies. HO, HO, N3 & N scale.
Kits, parts, tools, books, Tu-F 10-5:30; Sa 10
-4. Closed Sun & Mon. trains28@brennan.net
www.jimsjunction.com
JIM'S JUNCTION
811-B 16th St. West 406-259-5354

MONTANA • Kalispell
N, HO, & O gauge. Specializing in NW RR's.
Kits, RTR, structures, parts & more.
See our incredible 1/2 Off table. Toll-free:
877-943-2829. wheatoncity@centurytel.net
www.wheatoncitycycle.com M-F 9-5; Sat 9-5.
WHEATON'S
214 1st Ave., West 406-257-5808

MONTANA • Missoula
HO, On30, N scale products. Locos, rolling
stock, accessories, scratchbuilding supplies,
tools. Some hard to find, out-of-production
products. E-mail tchost333@aol.com Fax
406-549-5838. M-F 9:30-5:30 Sat 9:30-5:00
THE TREASURE CHEST
1612 Benton Ave. 406-549-7992

NEVADA • Las Vegas
While in Las Vegas,
check out our train selection.
Close to the Las Vegas strip.
Hours: Mon-Fri 10-8, Sat 10-7, Sun Noon-6.
HOBBYTOWN USA
5085 W. Sahara, Ste. #134 702-889-9554

NEVADA • Las Vegas
Electric trains & accessories
N, HO, S, O
Lionel/American Flyer Dealer
TRAIN EXCHANGE
6008 Boulder Hwy. 702-456-8766

NEVADA • Las Vegas
Big selection of HO, N and Lionel O
Gauge trains. Only 7 miles west of the
Las Vegas strip. www.thetrainengineer.com
WESTSIDE TRAINS
2960 S. Durango #117 702-254-9475

NEVADA • Reno
Everything for model railroading in all scales
DCC systems & support.
Books, videos, tools, parts, repairs
www.hihsierammodels.com
HIGH SIERRA MODELS
4020 Kietzke Lane 775-825-5557

NEW HAMPSHIRE • Hampton Falls
HO - O & accessories.
Carrying Atlas, Athearn,
MTH-RailKing, Lionel, Williams
Open 7 days a week 10-5.
BRENTWOOD ANTIQUES
106 Lafayette Rd. (Rt. 1) 603-929-1441

NEW HAMPSHIRE • Intervale
Z, N, HO, O, G, LGB, Marklin.
Hobby Shop, Museum, Crafts, Cafe.
www.hartmannr.com
THE BRASS CABOOSE
Route 16/302 603-356-9922/9933

NEW HAMPSHIRE • Wolfeboro Falls
N, HO, O, G sold in store.
Largest HO layout in NH.
Open Thur & Sat. Sat 10-5.
July to Labor Day: Thur - Sat 10-5; Sun. 12-4.
KLICKETY-KLACK RAILROAD
Jct. Rts. 28-109 & 109A 603-569-5384

NEW JERSEY • Cedar Grove
Authorized Marklin Digital & Maxi Dealer.
Lionel Service Station and V.A.D.
LGB, MTH and Aristo-Craft dealer.
O, O-27, HO, N & Z scale.
We sell the best & service the rest.
TONY'S TRAIN TOWN
575 Pompton Ave. 973-857-2337

NEW JERSEY • Kearny
Authorized Lionel, MTH, Atlas O gauge.
LGB and Aristo train retailer.
Track and accessories, books, videos.
HO and N scale sets and repairs.
www.genestrainstop.com
GENE'S GRAND CENTRAL STATION
228 Belleville Tpke. 800-955-3992

NEW JERSEY • Kenil
Full service hobbies, a full line of
HO, N, 3-Rail, military, cars, boats,
planes, dollhouses, scratchbuilding
supplies, plus details-details-details!
KENVIL HOBBIES
590 Rt. 46 973-584-1188

NEW JERSEY • Maplewood
HO, N, G, O & O27 track, structures and
supplies. West Bottoms, Unitrack, Graves,
Atlas, Lionel, LGB and more!
A full service shop! We will ship!
Tues-Fri 12-7, Sat 10-6, Sun 12-6.
MAPLEWOOD HOBBY
1970 Springfield Ave. 973-378-3839

NEW JERSEY • Mountain Lakes

One of northern NJ's largest train stores.
Auth. Lionel sales, service, and parts. Old
Lionel trains bought and sold. LGB, Atlas,
Life-Line, MDK. Auth. Walther's dealer.

THE TRAIN STATION
Romaine Road 973-263-1979

NEW JERSEY • Piscataway

Serving hobbyists since 1933.
Large selection of HO, N, S & O scale
Railroad books - complete repair service
Mon., Tues. & Thurs. 10am-6pm,
Sat. 10am-5pm, Wed. & Fri. 10am-9pm.
THE MODEL RAILROAD SHOP, INC.
Vail Ave. & New Market Rd. 732-966-5696

NEW JERSEY • Ramsey

Discount hobby center- 11,000 sq. ft.
(5,000 sq. ft. display) HO, O, D27, N, G.
Locos, cars, accessories, collectibles,
plastics, scratch & more.

HI - WAY HOBBY HOUSE
806 State Rt. 17 North 201-327-0075

NEW JERSEY • Sea Girt

Let us help you. We can supply N thru O
gauge pieces. Aftermarket, supplies, books, &
magazines too. Open every day except Wed.
We ship anywhere!
E-mail: hobbystuff@optonline.net
JERSEY SHORE HOBBY CENTER
2175 Hwy. 35 732-449-2383

NEW JERSEY • Somerville

Full line all scales N thru G.
Specializing in service.
Tues to Sat 11 am - 7 pm;
Sat 11 am - 5 pm; Sun 12 pm - 4 pm
www.biglittletrain.com Fax # 908-685-8894
THE BIG LITTLE RAILROAD SHOP
63 W. Main St. 908-685-8892

NEW JERSEY • West Milford

Complete selection of HO & N scale.
Serving North Jersey & America with
the new, the nifty, the necessary
since 1981.
www.modelrailwaypo.com
MODEL RAILWAY POST OFFICE
26 Industrial Rd. 800-328-6776

NEW JERSEY • Westmont

Key, Oriental, Overland, Walther's.
Structures, books.
Exclusively trains since 1955.
HO and N.
SATTLER'S HOBBY SHOP
14 Haddon Ave. 856-854-7136

NEW MEXICO • Albuquerque

100% trains, brass imports, Craftman kits,
detail parts, tools, airbrushes, RR books &
magazines, Digitrax dealer. Closed Mondays.
www.trainwest.com • Fax: 505-884-8814

TRAINS WEST INC
3351 Candelaria NE, Ste. A 505-881-2322

NEW MEXICO • Clovis

HO & N model railroad supplies;
railroad books; videos and memorabilia;
Walther's dealer.
Located in old ATSF passenger depot.
Wed-Sun: Noon - 5pm. clovisdepot.com
CLOVIS DEPOT MODEL TRAIN MUSEUM
221 West 1st St. 575-762-0066

NEW MEXICO • Santa Fe

HO - N scale kits, parts, scenery, tools.
New & used bought & sold.
Walther's dealer.

NORTHEAST TRAIN & MODEL
119 County Rd. 44 505-474-3604

NEW YORK • Blauvelt

Exclusively trains-Z, N, HO, O-27 & O. Large
selection of kits, scenery items, detail parts,
structures and scratch building
supplies. www.hudsonshoresmodeltrains.com
E-mail hudsonshores@earthlink.net
HUDSON SHORES MODEL TRAIN DEPOT
543 Western Hwy. 845-398-2407/fax 0603

NEW YORK • Bruchton

Z-N-HO Scales
Paints-Books-Structures-Scenery
Electronics-Track-DCC
Tues to Sat 10am - 6pm
Located in C&J Mall
VICTORIA STATION TRAINS
1259 Washington, St Rte 11 518-529-7722

NEW YORK • Buffalo

Trains exclusively N, HO, S, O. Standard.
Brass, kit, accessories. NMRA discounts.
Trains bought, sold, repaired
M, T, W, Sat 10-9, Fri 10-9
www.KVAL-HOBBIES.COM
K-VAL HOBBIES
277 Hinman Ave. 716-875-2837

NEW YORK • Buffalo

"Biggest in the USA!"
All Brands of G, O, HO and N.
Open Every Day- Visit Our 39-ton Caboose!
1/2 mile from Walden Galleria Mall.
www.niagara-hobby.com
NIAGARA HOBBY & CRAFT MART
3366 Union Rd. (at Walden) 716-681-1666

NEW YORK • Geneva

"Finger Lake's most complete train shop"
HO & N scale. Lionel value-added dealer.
Specialize in Lehigh Valley & other Eastern
Railroads. by mail 10-5, till 9pm, or by appt.
Finger Lakes Railway Headquarters.
LAKE CITY HOBBY
437 Exchange St. 315-781-6397

NEW YORK • Horseheads

N, HO, O, & G scales.
Authorized Lionel dealer.
www.wholesaletrains.com
LANTZ HOBBY SHOP
101 S. Main St. 607-795-5038

NEW YORK • Hurley

Trains-Z, N, HO, S, O scale, models, rockets,
hobby supplies. Lionel & MTH authorized
dealer. 4 working layouts, repairs, buy/sell.
Open 7 days. An old fashioned
general store. www.hurleycountrystore.com
HURLEY COUNTRY STORE INC
2 Wamsley Pl. (Old Hurley) 845-338-4843

NEW YORK • Kingston

Full service hobby shop. Walther's dealer.
Atheam, Atlas, Model Power.
HO, N & G gauges.
Call for hours. janet@ijnhobbies.com
www.ijnhobbies.com
J&J'S HOBBIES INC
37 N. Front St. 845-338-7174

NEW YORK • Latham

G, O, HO & N scales!
Full line of scenery, tools and structures.
If you need it, we'll try to get it!
Open Wed-Sat 12-7
Sun 12-5 (except June, July, August, Sept.).
JP'S TRAINS
277 Troy Schenectady Rd. 518-782-0981

NEW YORK • Mineola L.I.

Since 1949. Long Island's largest full-line
hobby superstore. 10,000 sq. ft. Featuring
LGB, MTH, Lionel, Märklin HO and Z, HO and
N scales. Books, detail parts and much more.
www.willishobbies.com
WILLIS HOBBIES INC
300 Willis Ave. 516-746-3944

NEW YORK • Poughkeepsie

Area's largest model train store.
O/HO/N gauges, kits, track,
boats, planes, scenery, tools, paints.
Tu-W-F 10-6; Th 1-8; Sat 10-5; Sun 10-2
www.dutchesstrain.com
DUTCHESS TRAIN & HOBBY CENTER
43 Vassar Rd. 845-463-3417

NEW YORK • Rochester/Webster

Western NY's largest DCC Dealer - 4 installs!!
Full line of HO & N Locos and Rolling Stock
Atheam, Atlas, NCE, Digitrax, Stewart.
Call for hours.
www.empirenorthernmodels.com
EMPIRE NORTHERN MODELS
680 Ridge Rd. 585-670-0679

NEW YORK • Schenectady

G, O, S, HO, N & Z. 2,000 plus pieces N.
Over 2,500 pieces HO cars and kits, repairs.
Dealer Atheam, Lionel, Atlas, Digitrax, MRC,
Walther, LGB, USA, Kadee, NCE, Thomas.
www.MODELTRAINSPARTS.COM
MODEL TRAINS AND PARTS
273 State St. 518-377-7900

NEW YORK • Schenectady

2,000 sq. ft. of trains. Operating layout.
G, O, HO, N scales. Books, videos, tools
paint, magazines, model kits, old Lionel.
MOHAWK VALLEY RAILROAD CO
2037 Hamburg St. 518-372-9124

NEW YORK • Smithtown

O, HO, & N gauges.
All major lines of brass carried.
Cluding out of stock.
We are model railroaders.
3 GUY'S HOBBIES
10 Lawrence Ave. 631-265-8303

NEW YORK • Syracuse (East)

100% scale model railroading. HO, S, O, N.
Northeastern, New England, Canadian
specialists. Exclusive; Northeast Modeler,
West Shore Line kits. Closed Mon. Call for
free map & hours. www.centralnysupply.com
CENTRAL HOBBY SUPPLY
102 Walter Dr. 315-437-6630

NEW YORK • Tappan

O, N, HO, large scales. Lionel, MTH, LGB,
Atlas. Branchline Trains dealer. Scenery
supplies. HO custom rolling stock. Call for
hours. www.thepolandwearycarshop.com
Red Pump Junction
OLD & WEARY CAR SHOP INC
33 RTE 303 845-680-0405

NEW YORK • Wellsville

O, HO & N. Weaver, Atlas, Atheam, MDC &
Walther's. Start-to-finish railroad supplies.
Magazines, Craftsman kits & Kadee.
Old local lines like W.A., Erie & E.L.
Tues. - Fri. 12-5, Sat. 10-3
EAST DYKE DEPOT
332 E. Dyke St.(Rt. 417E) 585-593-0005

NEW YORK • Windsor

Your model train superstore.
Authorized Lionel, MTH, Atlas dealer.
We sell, buy and service G-O-QN30-S-HO-N.
Hours: Tues, Wed, Fri 10-6; Thurs 10-8
Sat 10-5; Sun 10-2
VILLAGE TRAIN & HOBBY
191 Main Street 607-655-1700

NORTH CAROLINA • Asheville

HO, N, O Model Trains and accessories.
Broadway Limited, Kato, Lionel, Digitrax,
Atlas and more. Mon-Fri 8:00am-5:00pm
Tues-Sat 10-5, Sun 10-3
www.factorydirecttrains.com
FACTORY DIRECT TRAINS
2004 Riverside Dr., Unit V 800-990-3381

NORTH CAROLINA • Goldsboro

All major brands of HO & O
Specializing in southern roadnames
Open Mon-Fri 12:00-1:00 & 5:00-7:00
Open Sat 10:00-7:00
A & EC MODEL RAILROAD & HOBBY SHOP
501 Patetown Rd. 919-736-8200

NORTH CAROLINA • Hildebran

New & Vintage Trains
Authorized Lionel Repair Station
All G. Gauges of Trains
www.planesandtrains.com
sales@planesandtrains.com
LELAND'S PLANES AND TRAINS
302 S. Center St. ph/tx 828-397-2457

NORTH CAROLINA • Mount Airy

All model trains
Thomas the Tank
"Kindling for imagination"
www.drybridgestation.com
DRY BRIDGE STATION
236 North Main St. 336-786-9811

NORTH CAROLINA • Old Fort

Full-service model railroad shop.
Large stock with daily orders.
Located just 2 blocks off I-40, exit 73.
Hrs: M, Tu, W, Th & Sat 10-5; F 10-8;
Sun 12-5. oldforttrains@aol.com
OLD FORT MODEL TRAINS
37 E. Main Street 828-668-9434

NORTH CAROLINA • Raleigh

The Shops at South Hills
A full line train shop.
G - O - HO - N - Z - Thomas The Tank.
www.tomtrainstation.com
TOM'S TRAIN STATION
1239 Buck Jones Rd. 919-388-7246

NORTH CAROLINA • Raleigh/Wake Forest

Authorized Digitrax, Soundtraxx, Walther's,
Bowser dealer. DCC, experts. Installation &
Service. Computerized customer order
tracking. "Sharing the joy of model
railroading" www.trainbuddy.com
TRAIN BUDDY™ PRODUCTS
1200 Jenkins Rd. 919-562-4378

NORTH CAROLINA • Spencer

Across from NC Trans Museum. Big selection
of trains in all scales. Digitrax Dealer. RR vid-
eos/books & children's toys Tue-Sat: 10-5:30.
www.littlechoochooshop.com
or info@littlechoochooshop.com
LITTLE CHOO CHOO SHOP, INC.
500 S. Salisbury Av. 704-637-8717/800-334-2466

NORTH CAROLINA • Wendell

Lionel, K-Line, M.T.H. Discount prices.
Authorized Lionel Service Station #240.
On US Bus. 64. Tues-Fri 1-8; Sat 9:30-5,
Closed Sun and Mon. Buy & sell.
TODD'S TRAIN DEPOT
3169 Wendell Blvd. (US 64 Bus) 919-365-5006

NORTH CAROLINA • Wilson

Complete stock HO, N, O, G. Discounts.
HO modular layout display. I-95 Exit 119, east
on US 264, 4 miles to exit 42, right on
Downing Street and go to first light.
Mon. - Sat. 10 a.m. - 6 p.m.
THE ANTIQUE BARN & TRAIN SHOP
2810 Forest Hills Rd. 252-237-6778

NORTH DAKOTA • Bismarck

Never less than 100 locos, 700 cars.
HO, N, Atlas, Kato, Micro-Trains,
Digitrax, Sorry no O gauge
**Largest Store Layout Anywhere!!
DAVE'S HOBBIES
200 W. Main Ave. 701-255-6353

NORTH DAKOTA • Minot

Full line hobby shop. N, HO, Lionel, Atlas,
Rivarossi, Atheam, Kato, Mantua, Micro
Trains, tools, paints, plastic model kits, books,
rockets, RC cars, RC airplanes, model
building supplies. Daily 10-5, closed Sunday.
AEROPORT HOBBY SHOPPE
2112 N. Broadway 701-838-1658

OHIO • Alliance

New and used trains of all scales. Custom
painting, full service repair department.
Tue, Thu, Fri 12-8pm, Sat 10-3pm.
www.alliancelink.com/robstrains
ROB'S TRAINS
333 E. Main St. 330-823-7222

OHIO • Cincinnati

New Hobby Shop: Atheam & Märklin Dealer
DCC Specialists & Decoder Installations
Kits, Track, Buildings, Scenery, Brass
HO, N, Z scale Trains. Discounts on Everything
www.dcctrain.com
DCCTRAIN, LLC
8595 Beechmont Ave., # LL1 513-388-9000

OHIO • Cleveland (West Park)

Full line "old time" Hobby Shop located in a
1914 Victorian farm house, since 1983.
www.depottrain.com
DEPOT TRAIN & HOBBY
4342 W. 130th Street 216-252-8880

OHIO • Cleveland/Lakewood

Large selection of prototype railroad books,
railroad magazines, general hobbies.
HO, N, LGB trains and accessories.
WINGS HOBBY SHOP
17112 Detroit Ave. 216-221-5383

OHIO • Cleveland/N Olmsted

Full line hobby shop. Complete model
railroad supplies including books,
magazines & accessories. Rockets, RC,
aircraft, cars & boats, dollhouses, etc.
www.hobbysetc.com
HOBBY'S ETC
23609 Lorain Road 440-979-1900

OHIO • Columbus

All complete stores. All scales: N, HO, LGB
www.wobyanlancor.com
HOBBYLAND
Graceland Shopping Center 614-888-7500
Reynoldsburg 614-866-5011
Northwest Sq. Sawmill & I270 614-766-2300

OHIO • Columbus

Specializing in Z, N, HO, O, G.
Model Trains European & American.
Märklin, Walther's, Lionel, MTH, Atlas.
We buy and sell used toys & trains.
www.robies-hobbies.com
ROBBIES HOBBIES
4578 N High St. 614-265-7288

OHIO • Columbus

Exclusively trains.
LGB, Lionel, O, HO, N scales.
Books, brass, videos.
Mon-Thur 10-6, Fri 10-8, Sat 10-6, Sun 12-5.
www.trainstationohio.com
THE TRAIN STATION
4430 Indianola Ave. 614-262-9056

OHIO • Mansfield

Full line hobby shop since 1977.
Z through G scales.
Authorized Lionel service station.
Thomas the Tank and Bri
Open Mon-Sat 10-5, Fri 'til 6:30.
JOHN'S HOBBY SHOP
15 N. Main St. (on the Square) 419-526-4426

OKLAHOMA • Oklahoma City

All Model RR - Discount Prices
Digitrax & TCS DCC Dealer
Decoder Installation
Open Mon-Fri 10-6, Sat 9-5.
Website: WhistleStopTrains.com
WHISTLE STOP TRAINS
1313 W. Britton Rd. 405-842-4846

OREGON • Beaverton

Complete full line service hobby shop.
Z, N, HO, O, Lionel, and LGB.
Open Mon-Fri 10-8, Sat 10-5, Sun 12-5.
TAMMIE'S HOBBIES
12024 SW Canyon Rd. 503-644-4535

OREGON • Eugene

Complete HO & N for beginners, experts. O
& Z and G too. We carry all major brands.
Scratchbuilding supplies, books, tools. Big RC
selection, planes, boats, cars.
Open Mon & Mon. Buy & sell.
EUGENE TOY & HOBBY
32 E. 11th Ave. 541-344-2117

OREGON • Forest Grove

Trains and only trains. Good selection of DCC
and low prices. Special orders, no problem.
25 miles west of Portland.
Tues-Sat 11-6. Closed Sun & Mon.
MAINLINE TRAINS
2707 Pacific Ave. 503-992-8181

OREGON • Portland

HO, N, Z, Lionel, DCC, brass
Reservation discounts, new, used,
Consignments. 16 minutes from Airport
www.hobbysmith.com
THE HOBBY SMITH
1809 NE 39th Ave. 503-284-1912

OREGON • Portland

G, O, HO, N & Z scales.
Brass, parts, superdetails.
Books and service.
Mon-Fri 10-6, Sat 10-5, Closed Sun.
www.vichobby.com
VIC'S HOBBY SUPPLY
606 NE Broadway St. 503-281-1032

OREGON • Portland

Your complete model railroad store.
Gauges Z through G.
Mon-Fri 10-6, Sat 10-5, Closed Sunday
WHISTLE STOP TRAINS
11724 SE Division St. 503-761-1822

PENNSYLVANIA • Blue Ridge Summit

The Exclusive model railroad store.
From N to G, we stock it all.
OPEN 7 days a week.
Only minutes from Frederick, MD.
www.mainlinetoy.com
MAINLINE HOBBY SUPPLY
15066 Buchanan Trail E. 717-794-2860

PENNSYLVANIA • Broomall

HO, N, Z, On30, G, K-Line, Lionel,
Am. Flyer, Williams. New MPC at discount
prices. Standard O & S gauges
bought, sold & traded. Auth. service ctr.
M, W, F 10-9, Tue & Thu 10-7, Sat 10-5.
NICHOLAS SMITH TRAINS
2343 West Chester Pike 610-353-8585

PENNSYLVANIA • Doylestown

Specializing in model railroad supplies.
LGB Train Stop, HO, N, Lionel.
One of the largest stocks of N in DELVAL!
Mon-Fri 9:30-9, Sat 9:30-6, Sun 12-5.
HERB'S HOBBIES & CRAFTS
200 W. State Street 215-345-7123

PENNSYLVANIA • Duncansville (Altoona)
Authorized MTH, Lionel, K-Line, Atlas, Williams, Woodland, and other model railroads. Over 30 mtrs of O gauge trains & accessories. N, HO, O, G gauges. New/Used. Buy Trade & Sell.
Repairs. Open 7 days. www.genetrains.com
GENE'S TRAINS & HOBBIES
1381 Olde Rt. 220 N. Bus. #1 814-693-1451

PENNSYLVANIA • Gettysburg
Everything for the model railroader.
Huge selection of brass locos. Complete stock N & HO gauge. Daily 10-5. Sun 12-5.
E-mail: tghbysp1@embarqmail.com
www.gilbertshobbies.com
TOMMY GILBERT '73
346 E. Water Street 717-337-1992

PENNSYLVANIA • Gilbertsville (Boyetown)
Quality European & American trains. Auth. Märklin Dealer, H&G, Lionel, Kadee, Athearn, Vollmer, Falter, Kibri and Noch layouts. Repair service. Operating layouts.
MODELLBAHN OTT HOBBIES INC.
1145 E. Philadelphia Ave. 610-367-5925

PENNSYLVANIA • Jeannette
Trains exclusively. Lionel, MTH, HO & N. Supplies and accessories at discount prices. Open daily 9:30-5, Mon-Fri 9:30-7, Sat 9-4. Closed Tue. Expanded hours Nov and Dec. www.needztrains.com
NIEDZALKOSKI'S TRAIN SHOP
214 South 4th Street 724-523-8035

PENNSYLVANIA • Lansdale
Exclusively trains.
N, HO, O, G, Lionel, Märklin.
Specializing in DCC
www.linsjunction.com
linsjunction@comcast.net
LIN'S JUNCTION
128 S. Line St. 215-412-7711

PENNSYLVANIA • Montoursville
Model railroads only.
We buy, sell, and trade.
Open 9-5, 6 days a week Jan-Oct.
Open 9-8, 5 days a wk., 9-5 Sat Nov & Dec.
ENGLISH'S MODEL RAILROAD SUPPLY
21 Howard Street 570-368-2516

PENNSYLVANIA • Philadelphia (Feasterville)
Lionel, American Flyer, LGB, Märklin.
HO, N & Z. We buy, sell & repair.
M-F 12-8; Sat. 10-5 (Clos. Sat. July & Aug.)
Sunday's in December 10-5.
I-95 or US-1 to PA-132 at Bustleton Pike.
JOE'S TRAIN STATION
21 East Street Road 215-322-5182

PENNSYLVANIA • Pittsburgh (Mt. Lebanon)
HO, N, Lionel, LGB, brass locos, supplies, kits, repairs.
A full service hobby shop.
Call for hours.
A. B. CHARLES
1635 McFarland Rd. 412-561-3068

PENNSYLVANIA • Strasburg
Pennsylvania heritage model Railroad. Sets, locos, rolling stock, books & videos. Z, N, HO, S, O, G. All major suppliers.
www.strasburgmodelrailroad.com
BACKSHOP BOOKS & HOBBIES
STRASBURG RAIL ROAD SHOPS
Rt. 741 East 877-475-8990

PENNSYLVANIA • Strasburg
From trains to diorama scenery, everything for the layout builder. Open 7 days a week.
N, HO, O, Lionel, LGB.
Buy, sell, trade used trains.
Located adjacent to the C&D Coal Barn.
STRASBURG TRAIN SHOP
Route 741 East 717-687-0464

RHODE ISLAND • Warwick
HO trains, accessories, detail parts, plastic, Crafts-person kits, Hobby supplies, tools. Tu-Fri 12-8. Sat 10-6 (Sun Nov-Jan 12-6) Closed Mon.
1/2mi. W. of www.marcathobbies.com
or e-mail: marcathobbies@aol.com
A. A. HOBBIES, INC.
655 Jefferson Blvd. 401-737-7111

SOUTH CAROLINA • Greenville
100% Trains - ALL AT DISCOUNT PRICES
100,000+ Products In All Scales Available
Online 24/7 www.BlueRidgeHobbies.com
Retail Store Open Tues. Sat.
Featuring HO, N, O (HO & O Layouts)
BLUE RIDGE HOBBIES
2327 N. Pleasantburg Dr. 800-988-2125

SOUTH CAROLINA • West Columbia
All scales, all major brands of model railroad equipment.
We buy & sell used Lionel trains.
Open daily 10-6. Closed Sun.
NEW BROOKLAND RR & HOBBY SHOP
405 State Street 803-791-3958

TENNESSEE • Chattanooga (E. Ridge)
Specializing in HO & N scale model railroading. Convenient to I-24 & I-75.
On US 41 near Germantown Rd. Open Tue-Sat 10-6. www.chattanoogaedepot.com
CHATTANOOGA DEPOT
3701 Ringgold Road 423-622-0630

TENNESSEE • Franklin/Nashville
Turn-Key Custom Layouts. Lionel, K-Line, MTH, N-HO-S-O-G. We are a Lionel Value added Dealer. Largest selection Post-War. Vintage HO, Flyer, Near 1-65, Take Exit 65W Hwy 96. Toll-Free: 1-888-844-4403.
SOUTHBOWN TRAINS®
1265 Columbia Ave. 615-589-5697

TENNESSEE • Knoxville
New Location! Turkey Creek Area. Knoxville's most diverse hobby store, carrying a large selection of model railroad supplies.
HO, N, O and now G. Open 7 days a week.
HOBBYTOWN USA
11364 Parkside Dr. 865-675-1975

TENNESSEE • Madison
Athearn • Walther's • Lionel • Atlas
Bachmann • Woodland Scenics • and many other brands. Huge variety of buildings and supplies. Vast selection of plastic model kits.
AARDVARK'S MODEL TRAIN SHOP
768 Madison Square 615-865-4639

TENNESSEE • Memphis
Everything for the model railroader, G-Z. Athearn, Atlas, Mike's Train House.
Lionel sales, service, parts. Paints, tools, books, detail parts, building supplies.
We ship anywhere. modeltrainsandmore.com
MODEL RAILROAD & HOBBY
1266 Sycamore View 901-384-6500

TENNESSEE • Murfreesboro
Rutherford County's largest selection of hobby items. Carrying a wide variety of model railroad supplies. HO, N & O. Located just off I-24 on Medical Center Pkwy (exit 76). Open M-F 10-7; Sat 10-5.
HOBBYTOWN USA
536-J N. Thompson Ln. 615-890-6777

TEXAS • Amarillo
Plastic aircraft, armor, cars, figures & ships, model railroading supplies & rockets.
Take Osage exit I-40 South to 34th St. Right 1/2 mile to Tradewind Business Park turn left to 3601.
http://www.hobby-time.com
HOBBY TIME
3601 Airway Blvd. 806-352-9660

TEXAS • Corpus Christi/Portland
HO, N, O and G scale. New and used trains. Radio control planes, boats and cars.
Plastic kits, rockets - all at discount prices.
Thurs & Fri 3:00pm-6:00pm, Sat noon-6:00pm, also by appointment.
JIM'S HOBBIES
207 7th Avenue 361-229-0229

TEXAS • Dallas
Celebrating our 28th year!
One of the largest selections of Lionel, American Flyer & Märklin.
Expert repairs & great customer service.
www.trainandtoys.com
COLLECTIBLE TOYS & TRAINS
13615 Welch Rd. #103 214-373-9469

TEXAS • Dallas (Addison)
Great discounts on thousands of G to Z scale items in stock and special orders.
Easy DCC, NCE & Digitrax dealer.
Monday - Saturday 10-6.
DISCOUNT MODEL TRAINS
4641 Ratliff Lane 972-931-8135

TEXAS • Denton
HO & N scale at discount prices.
DCC decoder installations.
Home of Silver Spike Shop's custom cars.
Tuesday-Friday 10-6, Saturday 10-4.
SILVER SPIKE HOBBIES
525 N. Elm St. 940-383-3914

TEXAS • Fort Worth
HO, N, Z scale trains. Craftsman kits, scenery, paints, tools, accessories, Plastic models, rockets & books. All at discount prices.
Special orders welcome. Hours: Tues, Wed & Fri 3-6, Thu 3-7, Sat 9-4:30, & by appt.
HOBBY WORLD
5658 Westcreek Dr., Ste. 500 817-263-5750

TEXAS • Fort Worth (Haltom City)
N, HO, Z, HO, O, Craftsman kits, Details/Tools, DCC sales and installation.
Hrs: Mon to Fri 11:30-6:00; Sat 10:00-6:00; Sun 1:00-5:00.
www.angelohobbies.com
ANGELO HOBBIES
5515 Bonner Dr., Suite B 817-428-0190

TEXAS • Houston
HO & N, Lionel trains and service.
Complete line of plastic kits, military and architecture supplies.
Open 11am-6pm, Thurs. to 7pm; Sat. 10am-5pm.
G & G MODEL SHOP
2522 Times Blvd. 713-529-7752

TEXAS • Houston
Complete line of HO & N model railroad supplies. Magazines, books, video ref. center & scratch building supplies.
Mon-Thurs 10-6, Fri-Sat, 10-7 & Sun 12-5.
LARRY'S HOBBIES
156-F FM 1960 East 281-443-7373

TEXAS • Houston
All trains, all scales. Magazines, Books, Videos, Repairs, Brass, Used. Generous discount program, will ship. papabens@pearlman.com
M, Tu, Th & F 10-6; W 10-7; Sat 10-5; Sun 12-5
Major Credit Cards. www.papabens.com
PAPA BEN'S TRAIN PLACE
4007-E Bellaire Blvd. 713-523-5600

TEXAS • Houston area (Bellaire)
Houston's largest hobby shop with 10,000 sq. ft. HO, N, O, G, DCC, Walther's, Athearn, Lionel, Kato, Atlas, Spectrum, Roundhouse & more! Great prices. Special orders welcome.
Experienced staff, www.mrhobby.com
M & M HOBBY CENTER
6703 Chimney Rock 713-661-2270

TEXAS • Houston Area (Spring)
Exclusively model railroading, tools, craftsman kits, repairs, electronics, software, Digitrax DCC, NCE, TCS, Soundtraxx, Logic Rail, and Thomas & Friends.
SPRING CROSSING
1420 Spring Cypress 281-353-9484

TEXAS • Irving (Dallas Area)
U/C and R/C planes. HO, N trains.
RR & aviation magazines and books.
Scale plastic kits, balsa wood.
Mon 1-6, Tue-Wed 10:30-6, Thurs-Fri 10:30-7, Sat 9:30-6, www.maliboy.com
M-A-L HOBBY SHOP
108 S. Lee Street 972-438-9233

TEXAS • San Antonio
Model railroading our specialty.
Märklin, LGB, HO, N, O, Z.
Superdetailing parts galore.
Books, structures, figures and tools.
Tues-Sat 10-6pm
DIBBLE'S HOBBIES
1029 Donaldson Ave. 210-735-7721

TEXAS • San Antonio
Quality new and used trains and accessories all scales. Open everyday. All kinds of trains, toys, memorabilia Lionel, LGB, Microtrains, Thomas and more. We buy, sell, service.
www.lonestartrains.com
LONE STAR TRAINS & COLLECTIBLES
4161 Naco-Perrin 210-655-4665

UTAH • Orem
Where it's always cheaper than therapy.
Trains all scales. LGB, Broadway Limited, Atlas, Lionel, Micro Trains, Athearn, Behm. Arby's across from the University Mall.
HOBBY STOP, LLC
327 East 1200 South 801-226-7947

VERMONT • Rutland
Exclusively Model Railroading. Most major lines. Brass, custom painted models.
Competitive prices. Personal service.
Open by appt. Eves 6-10, Sat 10-10.
THE STEAM SHACK
10 Engram Avenue 802-775-2736

VIRGINIA • Bristol
Lionel, MTH, LGB-Marklin, Bachmann, Aniscraft & many more fine manufs. New & used model trains, Z, G scales. Located @ exit 5, I-81 W. R. P. Sat 10-6; Sunday 1-5
sidetracksouth@hotmail.com
SIDETRACK HOBBIES SOUTH
2113 Lee Highway 276-591-5513

VIRGINIA • Deltaville
Authorized dealer for Lionel, MTH, Märklin, LGB, Athearn.
We stock HO, O & G Gauge Trains.
Email: leepau1956@earthlink.net
DELTAVILLE DEPOT
16474 Gen. Puller Hwy. 804-776-7250

VIRGINIA • Manassas
MTH/Lionel Auth Dealers SVC Sta.
Arto-Craft USA. Auth. Digitrax Dealer.
Area's largest all scale train store. G, O, S, HO, On30, N, Z, RC Boats/Planes/Cars
www.traindepotonline.com
TRAIN DEPOT, INC.
7214-16 New Market Ct. 703-335-2216

VIRGINIA • Midlothian (Richmond)
O, N, HO scale accessories, Lionel, MTH, Atlas O, scenery, building supplies, books, magazines. E-mail: chsthoob@verizon.net
Hours: Mon, Wed, Thur 10-6, Tue, Fri 10-8 Sat 10-5:30, Sun 12:30-5
CHESTERFIELD HOBBIES INC
13154 Midlothian Tnpx. 804-379-9091

VIRGINIA • Newington
Märklin, MTH, Lionel, LGB & Aristo-craft
Scalextric, Carrera, Slot-It, Nincro & Fly Steiff, M. Alex. Dolls & More! Open 7 days, Nov 5-Jan 14, otherwise closed Mon. Visit our shop 1/4 mile off I-95. www.trainsetc.com
TRAINS ETC
8245-A Backlick Rd. 703-550-1779

VIRGINIA • Portsmouth
N, HO, O & G Gauge Trains.
MTH, Lionel, Atlas, Athearn, Bachmann, etc.
DIGITRAX Dealer.
Friday 10-6, Saturday 10-5
http://www.DavisHobby.com
DAVIS HOBBY SUPPLIES
3594 Griffin Street 757-397-1983

VIRGINIA • Roanoke
Lionel, LGB, G, AF, HO, N & MTH
Buy, sell, trade, repair.
Lionel SS # 383
Mon-Fri 10-7; Sat 10-5:30; Sun 1-5.
Two minutes off Exit 146 on I-40
RAIL YARD HOBBY SHOP
7547 Williamson Rd. 540-362-1714

VIRGINIA • Staunton
Lionel Service Center #117, 3rd Rail, HO, N. Plastic models & supplies, rockets, Thomas Wooden Railway System, Garrett Metal Detectors.
Mon-Fri 10-6, Sat 10-5, Sun 1-4.
STAUNTON TRAINS & HOBBIES
331 N. Central Ave. 540-885-6750

WASHINGTON • Bellevue (Seattle)
100% trains. Brass imports, craftsman kits, books, video, detail parts & tools. N to G.
Open Mon-Fri 11-7, Sat 10-5. Visit our Web site: www.theinsidegateway.com
THE INSIDE GATEWAY
14725 NE 20th 425-747-2016

WASHINGTON • Camas
HO and N. Parts and accessories.
Working to be your model railroad source.
Tuesday-Friday 11-7, Saturday 11-5.
NWS SPECIALTIES TRAIN SHOP
335 NE Lechner St. 360-835-7607

WASHINGTON • Kennewick (Tri-Cities)
HO and N trains. Dollhouses, rockets & plastic models. NCE, Soundtraxx authorized dealer.
Hours: W-F 11:30-5:30; Sat 10-4.
www.parkadehobbies.com
PARKADE HOBBIES
223 West Kennewick Ave. 509-585-2510

WASHINGTON • Kirkland
Lionel, American Flyer, LGB, HO, N.
Buy, sell, and repair.
Supplying all your railroading needs.
Open Mon-Sat.
www.eastside trains.com
EASTSIDE TRAINS, INC.
217 Central Way 425-828-4098

WASHINGTON • Port Angeles
Model Railroading: G, O, O27, HO, N.
Visit our waterfront location
E-mail: phobby@glypen.com
Mon-Sat 10-6; Sun 12-5
PACIFIC RIM HOBBY
138 W. Railroad Ave. 360-457-0794

WASHINGTON • Seattle
Model Railroading since 1947.
Atlas to Zona. We do special orders.
New and used brass and books.
Mon - Wed 10-6, Thurs - Fri 10-8, Sat 10-6
www.nordstrains.com
NORTH END TRAIN CENTER
12537 Lake City Way NE 206-362-4959

WASHINGTON • Seattle
Trains all scales including N3.
Special interest in N scale.
Great place to railfan-5 min. from downtown
Website: www.seattletraincenter.com
Mon-Fri 10-7, Sat 10-6
SEATTLE'S TRAIN CENTER
1463 Elliott Avenue W. 206-283-7886

WASHINGTON • Seattle
New & vintage electric trains - all scales
Located in West Seattle - 8 min. from I-5
MTH, Lionel, Atlas, Athearn, Micro Trains
Tue-Sat 11-6, E-mail: eltrain@aol.com
THE ELECTRIC TRAIN SHOP
4511 California Ave. SW 206-938-2400

WASHINGTON • Spokane
100% trains.
Open Monday-Friday 10am - 6pm.
Always open Saturday 10 - 5.
Closed Sunday & holidays.
SUNSET JUNCTION MODEL TRAINS
419 E. Sprague Ave. 888-838-2379

WASHINGTON • Tacoma
Lionel, LGB, HO, N, G.
Railroad gifts, novelties, hats, shirts.
Books, paints, supplies, decals.
See our website: www.tacomatrain.com
Mon-Sat 10-6 (Sun 12-5 Oct-Mar)
TACOMA TRAINS
3813 North 26th St. 253-756-7517

WASHINGTON • Tacoma (Lakewood)
We carry a large selection of HO & N scale model railroading supplies at discount prices. Special orders welcome.
Tues-Fri 10am - 6pm; Sat 10am 10am - 4pm.
Website: www.onlinetrains.com
ONLINE TRAINS & HOBBIES
3905 Stellacoom Blvd. SW 253-472-7732

WASHINGTON • Tacoma (Lakewood)
South Puget Sound's most complete RR store. G, O, HO, N, Z, LGB.
Lionel, Märklin, DCC, parts, tools, scratch build, books.
Daily 11-7, Sat. 10-6, Sun (Oct - May) 1-5.
PACIFIC RAILWAY HOBBIES
9525 Gravelly Lake Dr. SW 253-881-4453

WISCONSIN • Butler
Atlas, Life-Like, Intermountain, Broadway, Walther's, Micro Trains, Märklin, Kato, Woodland Scenics, Athearn. New and used.
We UPS anywhere in USA. Repair, buy, sell, trade. www.sommerfelds.com
SOMMERFELD'S TRAINS & HOBBIES, INC.
12620 W. Hampton Ave. 262-783-7797

WISCONSIN • Eau Claire
Western WI's most enjoyable Train Shop.
Lionel, K-Line, MTH, & other O, Hornby, Märklin, American HO & N & G. Operating Layouts. Repairs, kits & access. Fun!
www.modeltrainclassics.com
MODEL TRAIN CLASSICS, PLUS
306 South Barstow St. 715-838-8858

WISCONSIN • Elroy
Exclusively Model Trains with operating layout. G, O/O27, S, HO & N scale kits, RTR, buildings and supplies. M-F 9-5:30, Sat 9-3, Closed Sun. Web Site: www.aplustrains.com
Email: trains@aplustrains.com
THE TRAIN SHOP
130 Main 608-462-8720

WISCONSIN • Fond du Lac
O-HO-N scale. Lionel, MTH, Athearn, Atlas, Kato, Bachmann, Intermountain, Broadway Ltd., Walther's, Woodland Scenics, scratch building supplies. M-F 10-9; Sat 10-8; Sun 11-4. www.fondulacmodel.com
FONDY HOBBY / FOREST MALL
835 W. Johnson St. 920-923-6950

WISCONSIN • Green Bay

Exclusively trains, specializing in DCC, N, G, & HO, DCC installation and award winning custom painting and building available.
www.enginehouseservices.com

ENGINEHOUSE SERVICES, LLC
2737 N. Packerland Dr. 2H 920-490-4839

WISCONSIN • Madison

Authorized Lionel dealer, HO & N scale
DCC - Soundtraxx
Metals - Styrene - Scenery
NMRA Discounts
Mon - Fri 10-8, Sat 10-5
MADISON HOBBY STOP
6622 Mineral Point Rd. 608-829-3820

WISCONSIN • Milwaukee

Complete model railroading. Everything in the Walther's Reference Books and more. Complete service. 800-487-2467.
www.walthers.com

WALTHERS SHOWROOM
5619 W. Florist Avenue 414-461-1050

WISCONSIN • Milwaukee (Greenfield)

Largest hobby store in WI. Most scales carried. Full selection of HO & N. Huge book & mag. selection, NMRA discounts. Special orders welcome. General repairs. 4 miles west of airport, M-F 10-9, Sa 10-5, Sun 12-5.
GREENFIELD NEWS & HOBBY
6815 W. Layton Ave. 414-281-1800

WISCONSIN • Monroe

Auth. Lionel, MTH & Line Dealer. Atlas O, N, HO, Z trains & accessories, plastic kits. Books, videos & tools.
Summer hours: Tues-Fri 10-5, Sat 10-5; Winters add Sun 12-5.
THE HOBBY DEPOT
835 17th St. 608-325-5107

WISCONSIN • Waukesha

Märklin • Lionel • MTH • AF • LGB • Z to G • buildings • scenery • detail parts • books • scratchbuilding supplies • special orders • NMRA discounts • M-F 11-8 • Sat 10-5.
www.hiawathahobbies.com

JETCO'S HIAWATHA HOBBIES
1701 Summit Ave. 262-544-2131

CANADA-AB • Calgary

Your complete model RR store. Large selection of all major brands. Special orders. Open Mon-Fri 9:30-9:00; Sat 9:30-5:30; Sun 12-5. Fax: 403-243-7782.
E-mail us at: trainshobbywest@shaw.ca
CHINOOK & HOBBY WEST
5011 MacLeod Trail S.W. 403-243-1997

CANADA-AB • Calgary

100% Trains: All Scales
Lionel • Tri-ang • Proto • Walthers.
Brass, Collectibles, Memorabilia & Books.
www.trainandsuch.com
TRAINS AND SUCH
2604 - 4th Street NW 403-277-7226

CANADA-AB • Edmonton

Everything for model railroading.
Most quality lines in completeness.
Hobby tools. Special orders.
Fax: 780-430-9073.
ROUNDHOUSE SALES
9518 - 87th Street NW 780-430-9072

CANADA-AB • Oids

www.canadianscalerail.com
Model trains in HO, N, G
Canadian & US Roadnames
CANADIAN SCALE RAIL/FUN TIMES HOBBY
5026 50th Street 403-556-3771

CANADA-BC • Langley (VAN)

Specializing in European Model Trains
Märklin, Roco, Brawa, Fleischmann & more.
Huge selection of trains, kits, & access.
HO-N-Z-1-G Scales, Mon-Fri 9-4:30 Sat 10-2.
www.EuroRailHobbies.com
EURO RAIL HOBBIES & MORE INC
1526 232nd St. 866-799-6098

CANADA-BC • Port Moody (Vancouver)

O - HO - N - Z Scale Model Trains & Accessories. All Major Suppliers, Canadian Prototypes, Special Orders, Buy, Sell, Trade.
Open 7 days a week.
www.ontrackhobbies.com 1-877-461-7670
ON TRACK HOBBIES
#16 - 3130 St. Johns St. 604-461-7670

CANADA-BC • Vancouver

Large selection of model RR supplies including Miniatures by Eric, Athearn, Atlas, MDC, NWSL, Peco, Shinohara, etc. Brass. Special orders. www.central-hobbies.com
Open 11-5, Fri til 9, Closed Sundays.
CENTRAL HOBBIES
2845 Grandview Hwy. 604-431-0771

CANADA-BC • Victoria

Full line hobby store.
Z, HO, O & G scales.
Buy, sell, trade. E-mail: info@bcschaver.com
www.BCSchaver.com

B. C. SHAVER & HOBBY SHOP
742 Fort Street 250-383-0051

CANADA-BC • Victoria

Vancouver Island's one stop model railroading store. Exclusively fine models all scale.
vsrtd@telus.net www.victoriascalerail.com
Mon-Thur, Sat 10-6, Fri 10-8, Sun Noon - 5.
VICTORIA SCALE RAIL LTD.
3595 Ravine Way 250-475-2860

CANADA-ON • Alliston

HO, N, G, On30, Steam and Diesel.
Limited Edition Art, Books and Videos.
Live steam.
5 days a week (closed Mon & Tues).
www.hvrr.ca
HOCKLEY VALLEY RAILROAD
4492 Adjala-Tecumseth Townline 705-435-7024

CANADA-ON • Burlington

Your Mainline to Model Railway Supplies
Authorized Lionel Dealer & Service Station
K-Line, Kato, Atlas, Athearn, Bachmann, Walthers O/O27, HO & N, Open daily.
www.trainsonbrant.ca
TRAINS ON BRANT
2180 Itabashi Way, Unit #2 905-637-3721

CANADA-ON • Dundas

Your full line hobby shop. Open 7 days a week. N, HO, AF, Lionel, LGB. Scenery and scratchbuilding supplies. Walthers dealer.
Kato products. Special orders welcome!
E-mail us at: dundasvalleyhobby@cogeco.ca
DUNDAS VALLEY HOBBY
15 Coates Dr. 905-628-9156

CANADA-ON • Fergus

Model Trains for Beginners to the Experts.
Buy, Sell, Trade, Repair.
HO, N, O/O27, S, G.
Come See Our Trains.
www.2bintrains.on.ca
2B IN TRAINS
6168 Road 29 519-787-3280

CANADA-ON • Hamilton

Exclusive line of Ontario Northland (ONR) and Toronto, Hamilton & Buffalo (TH&B) product - HO & N. Full-line hobby store.
(3,500 sq. ft.). DCC. Open 7 days a week.
www.modelerschoice.com
MODELLER'S CHOICE
1400 Upper James St. 905-574-3322

CANADA-ON • London

Complete Canadian trains & more N, HO, G, Athearn, Hornby, Peco, Walthers.
Special orders, plastics, parts, supplies, books, DVD's. Mon-Fri 10-8, Sat 9-5.
sales@rhobby.ca www.rhobby.ca
BROUGHDALE HOBBY
1444 Glenora Drive 519-434-0600

CANADA-ON • Mount Forest

45 Min North of Guelph. Fax# 519-323-3809.
Authorized Lionel value added dealer.
One of Canada's largest Lionel retailers
MTH, K-Line & more. Full line HO dealer.
www.traincellarcana.com Closed Monday.
THE TRAIN CELLAR
149 Main Street North 519-323-3935

CANADA-ON • Ottawa (Vanier)

One of Canada's leading model shops.
Complete selection of HO & N gauge.
Friendly knowledgeable staff.
Free Parking. On parle Francais.
HOBBY HOUSE, LTD.
80 Montreal Road 613-749-5245

CANADA-ON • Peterborough

For the discriminating hobbyist
MRR Headquarters in the Kawarthas
Digitrax dealer, Atlas and MRC DCC, books, Walthers, major brands, detail parts, Woodland, scratchbuilding supplies.
COSBURN'S HOBBY DEPOT LTD.
161 Simcoe St. 705-743-0244

CANADA-ON • Port Hope

New location between CP & CN rail lines.
Watch trains from our window. Specializing in model railroading supplies. Check our website www.thetrainemporium.com for hours/directions/product lines. 1-866-885-2270
THE DOLL HOUSE & TRAIN EMPORIUM
100 Peter Street 905-885-0070

CANADA-ON • St. Catharines

Over 450 different brass locomotives. We buy, sell, trade, and repair. 6,000 sq. ft. of hobby supplies. Daily 9:30-5:30, Fri til 9.
Closed Wed. Fax 905-684-1700.
Visit us at www.niagaracentralhobbies.com
NIAGARA CENTRAL HOBBIES
395 St. Paul Street 905-684-7355

CANADA-ON • Streetsville

(Mississauga) All rail, all scales.
Premier selection & service.
New & used, consignments, custom painting, special orders too!
Railfan Headquarters! www.cvrco.com
CREDIT VALLEY RAILWAY COMPANY, LTD
184 Queen Street So. 905-826-1306

CANADA-ON • Toronto

North American Train Specialists since 1962.
Lionel Authorized Distributor & Repair Center
All Scales - Special Orders
Closed Mondays www.georgestrains.com
GEORGE'S TRAINS LTD.
510 Mt. Pleasant Rd. 877-884-2467

CANADA-ON • Toronto

New & used, buy & sell HO & N scale.
Scenic supplies, in store clinics & layout, friendly service. Paints, tools, scratchbuilding supplies. Parking. Closed Mon.
www.hornethobbies.com
HORNETHOBBIES, INC.
1563 O'Connor Dr. 416-755-4878

CANADA-ON • Toronto

Huge stock. European and Canadian.
Scenic supplies, accessories, spare parts.
LGB, I, O, HO, N, Z, Märklin-Minichub, Fleischmann, Roco, Trix, Preiser, Brawa.
Wish lists welcome. johnshobbies.ca
JOHN'S PHOTO-HOBBY EUORAILS
2188 Danforth Ave. 416-421-1850

CANADA-ON • Toronto (Markham)

New Location Now Open!
North American Train Specialists since 1962
HO, N and DCC Specialists
Closed Sun/Mon www.georgestrains.com
GEORGE'S TRAINS LTD.
550 Alden Rd. Unit 101 905-470-6200

CANADA-ON • Windsor

Model Railroading since 1970.
Operational in-store layout.
HO & N trains, bits & pieces.
"Simplified Wiring & Trackwork" by Fred Stainer
WINDSOR HOBBIES LTD.
3895 Tecumseh Rd. East 519-945-5471

CANADA-QC • Knowlton

STORE CLOSED
Thank-you to all past customers and suppliers. We have enjoyed serving you.
Sadly, Martin Gillespie
TOWNSHIP TOY TRAINS
5 Mont Echo Rd., Lac Brome 450-243-1881

CANADA-QC • Montreal

Canada's largest full service hobby and train supply. We carry N-HO-O-G scales. See our HO and Garden layouts. 80,000 items in 60,000 sq. ft. E-mail: universe@udisco.com
www.udisco.com
HOBBIE UNIVERSEL
4662 Decarie Blvd. 514-481-8107

GERMANY • Dusseldorf

One of the leading shops in Europe for European & American model trains.
Z-N-HO-HOe-HOm-O-1-G, + second-hand.
www.menzels-lokschuppen.de
email info@menzels-lokschuppen.de
MENZEL'S LOKSCHUPPEN & TOFF TOFF GMBH
Friedrichstr. 6 00492 11/373328

GERMANY • Kaarst

Europe's best known address for US Railroads. We carry N & HO scale for all roadnames, Atlas to Walthers, M-F 10-6:30, Sat 10-2. Overseas orders w/VI-MC-ANX.
www.aat-net.de email: aat@aat-net.de
ALL AMERICAN TRAINS
Am Neumarkt 1 Fax 011 49 2131 769641

ITALY • Ponti

The largest assortment of USA trains in Italy. If we do not have it we will find it for you! Trains, T-Shirts, Books and more, any scale, Italian trains too! Visit: www.bkit.it mail: info@bkit.it
BRADICICH KORPS
via Vittorio Veneto 2 39-0144-596007

SWITZERLAND • Geneve

Big selection of trains, all scales.
Open Mon-Fri 09:00-18:30h
Sat 09:00-17:00h
Fax: 0041-227347709
AU VIEUX PARIS
1 Rue de la Servette 0041-227342576

SWITZERLAND • Kilchberg, Zurich

Specializing in American models since 1977.
No. 1 Overland Dealer in Switzerland.
Open Sat 13:00-17:00. Fax: 044-715-3660.
Web: www.trainmaster.ch
TRAINMASTER BY WERNER MEER
3 Hochweldstrasse 011-41-44-715-3666

UK-SCOTLAND • Helensburgh

A leading European shop for train models.
Large range of British & US in HO & N with most major makes. Fax: 01436 677556
Web: www.macsmodels.co.uk
Open: Mon-Sat 9:30-5pm
MAC'S MODEL RAILROADING
64A Sinclair St. 01436 679444

HOBBY RETAILER .COM

Brought to you by:
Model Retailer

Visit the finest hobby shop locator search engine on the Internet!

Hobbyretailer.com can help you find a hobby shop close to you or across North America.

The ultimate resource for finding hobby shops nationwide!

V-MR



The Operators

Andy Sperandio



Consolidation 1987 leads Atchison, Topeka & Santa Fe mixed train No. 506, a second-class schedule serving the branchline San Jacinto District, at Hemet, Calif., on Sept. 12, 1946. Richard W. Biermann photo

Running mixed trains

My friend Jared Harper gave an interesting description on an Internet discussion list of the mixed (combined freight-and-passenger) train operation on the Atchison, Topeka & Santa Fe's Alma District in Kansas. I especially noted how this train for at least part of its history started out running extra, without a timetable schedule but authorized by train order. It ran extra from its operating base in Topeka to the branchline junction at Burlingame, where the Alma District split from the main line of the Eastern Division's First District.

Between Burlingame and Alma the mixed train ran out and back as Nos. 95 (westward) and 96, second-class schedules, handling all the branch's normal freight and passenger traffic. When it got back to the First District main in Burlingame, the mixed returned to Topeka as an extra train. Jared's Alma District layout will be featured in the coming 2009 edition of our annual *Model Railroad Planning* magazine.

My own interest is the Santa Fe in Southern California, where mixed trains also ran through the 1940s and into the 1950s. Here are some examples from the AT&SF's Los Angeles Division showing how varied such operations can be.

Mainline schedules. The San Jacinto District mixed train operated out of San Bernardino,

Calif., headquarters of the L.A. Division. It ran over the division's Third District main line between "San Berdoo" and Highgrove, 6.7 miles west (by timetable), as second-class schedule No. 505. At Highgrove it diverged onto the San Jacinto District, ran that 19.8-mile branch line to San Jacinto, also as No. 505, and returned as train No. 506. From Highgrove, the mixed proceeded home to San Bernardino on the Third District, still as second-class No. 506.

An instruction in the employee timetable made 505 superior to 506 on the "San Jac" District; otherwise eastward 506 would have been superior to the 505 by direction. The instruction avoided the embarrassment of a late-running 505 being required by rule to wait for *itself* to come back from San Jacinto, since Train 506 was run by the same crew using the same engine and "coach, baggage, and caboose" combine.

Off the main. Elsinore District Trains 508 and 509 demonstrated another way to run a mixed train. The Elsinore mixed was based at Corona, 17.4 miles west of Highgrove on the Third District. At a small yard there, mainline freights set out and picked up Elsinore District traffic. But the 21.9-mile Elsinore District branch line actually diverged from the Third

District at Porphyry, 1.3 miles east of Corona.

The mixed-train crew went on duty at Corona, made up their train, then used a siding parallel to the main track to run to Porphyry. Since it didn't use the main line, the train didn't have to be authorized by schedule or as an extra train between those points.

Arriving at Porphyry, the mixed proceeded on the branch to Elsinore, since it already had a clearance card from the Corona operator authorizing it to run from Porphyry as second-class Train 508. Because the outbound train to Elsinore was defined as eastward in the timetable, Train 508 was superior to its "opposite side," Train 509, by direction. Therefore no special instruction was required to prevent an impasse. You can see the Elsinore mixed in action on the Pentrex video, *Railfanning Southern California in the 1950s*.

Two for one. Down on the Fourth District of the Los Angeles Division, better known as the "Surf Line" to San Diego, one crew and one set of equipment ran a pair of branchline mixed trains out of Oceanside. These were Trains 64 and 65 on the Fallbrook District, and Trains 66 and 67 on the Escondido District. The sequence of schedules and short trips let the crew serve both branches within their normal hours of service.

These two branchline districts diverged from the Surf Line main east and west (by timetable direction) of Oceanside, respectively. Like the San Jac trains on the Third District, these second-class mixed trains had schedules to authorize their brief mainline runs between Oceanside and either Fallbrook Junction or Escondido Junction. Fourth District mainline freights picked up and set out cars for both branches at Oceanside.

Since they offer such great opportunities for model operations, either on solo layouts or as part of a group system, we're lucky to have so many prototypical options for running mixed trains. **MR**

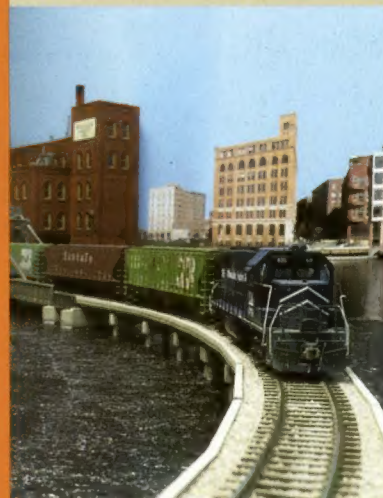
Ad Index

We believe that our readers are as important as our advertisers. If you do not receive your merchandise or a reply from an advertiser within a reasonable period, please contact us. Provide details about what you ordered and the amount you paid. If no action is obtained after we forward your complaint to the advertiser, we will not accept further advertising from them. Model Railroader magazine, 21027 Crossroads Circle, Waukesha, WI 53187

The Advertiser Index is provided as a service to Model Railroader magazine readers. The magazine is not responsible for omissions or for typographical errors in names or page numbers.

| | |
|-----------------------------------|--------------|
| A | |
| Albion Software | 134 |
| All Aboard | 133 |
| All Electronics Corp. | 134 |
| Allegheny Scale Models | 133 |
| Allen Keller Productions | 136 |
| Allied Model Trains | 26 |
| Alpine Division-Scale Models | 109 |
| American Beauty Soldering Tools | 33 |
| American Model Builders, Inc. | 133 |
| American Models | 133 |
| Amherst Railway Society, Inc. | 33 |
| ANE Model Co., Ltd. | 117 |
| Atheam | 7, 106, 114 |
| Atlas Model Railroad Co., Inc. | 2 |
| Axian Technology | 109 |
| Aztec Manufacturing | 134 |
| B | |
| B.T.S. | 117 |
| Bachmann Industries, Inc. | 32 |
| Bessemer Hobbies | 134 |
| Bill's Trains and Track | 136 |
| Blackstone Models | 120 |
| Blair Line, LLC | 111 |
| BLMA | 119 |
| Blue Ridge Hobbies | 111 |
| BPL Brass Works | 120 |
| Bragdon Enterprises | 135 |
| Broadway Limited Imports, LLC | 37 |
| Bruce's Train Shop | 26 |
| C | |
| Caboosie Hobbies | 26, 110 |
| Caboosie Industries | 17 |
| Caboosie, The | 130 |
| CadRail/Sandia Software | 114 |
| Centerline Products | 131 |
| Charleston Digital Trains | 26 |
| Chooch Enterprises | 37 |
| Circuitron | 102 |
| City Classics | 134 |
| Classic Toy Trains magazine | 123 |
| Classic Trains magazine | 136 |
| Clover House | 134 |
| CMW Holdings, Ltd./ Classic Metal | 113 |
| Computer Products for Education | 136 |
| Con-Cor International | 17 |
| Cripplebush Valley Models | 113 |
| CTI Electronics | 17 |
| Custom Model Railroads | 129 |
| CVP Products | 123 |
| D | |
| Dallas Modelworks | 118 |
| DC/DCC Dealer Association | 26 |
| Decoder Installation Services | 135 |
| DeMar Electronics | 102 |
| Diesel & Steam Consignment | 135 |
| Digitrains (United Kingdom) | 26 |
| Digitrax | 107 |
| Division Point, Inc. | 114 |
| Don Black Brass Trains | 133 |
| Drail Modelspoor Software | 136 |
| Dunham Studios | 136 |
| E-F | |
| El Dorado Software | 128 |
| EngineHouse Services, LLC | 26 |
| Euro Rail Hobbies & More | 14 |
| Evan Designs | 15 |
| Evergreen Scale Models | 27 |
| First Hobby, Inc. | 36 |
| First Place Hobbies | 129 |
| G | |
| George's Trains, Ltd. | 26 |
| Germanow-Simon Corp. | 111 |
| Golden Spike Tower | 110 |
| Gotham Model Trains | 133 |
| Grand Central Gems, Inc. | 135 |
| Great Midwest Train Show | 95 |
| Great Train Expo | 95 |
| Greenberg Shows | 95 |
| H | |
| Haddon Software | 133 |
| Hawkins Rail Services | 131 |
| Hitchcock Chuck | 133 |
| Hobby Surplus Sales | 135 |
| Hobbycraft Canada | 15 |
| Hump Yard Purveyance | 134 |
| I-J | |
| IBL Products | 134 |
| Innovative Train Technology | 135 |
| Inspired Nut, LLC | 134 |
| International Hobby Corp | 23 |
| Internet Hobbies, Inc. | 101 |
| Jam Creations.net | 134 |
| Jelsma Graphics | 133 |
| Johns Hobbies | 26 |
| Jordan Products | 133 |
| Just Trains | 5 |
| K-L | |
| Kaslo Shops | 133 |
| KATO USA, Inc. | 146-147 |
| Kreig Haus Hobby & Coins | 135 |
| Lenz Digital Plus | 27 |
| Lin's Junction | 26 |
| Litchfield Station | 102 |
| Logic Rail Technologies | 136 |
| Lunde Studios | 110 |
| M | |
| Magic Water | 133 |
| Mailcar Hobbies | 133 |
| Mainline Hobby Supply | 101 |
| Martin & Johnson Manufacturing | 117 |
| MB Klein | 99 |
| Micro Fasteners | 134 |
| Micro-Mark | 28-29 |
| Micro-Trains Line | 128 |
| Miller Models | 134 |
| Mizell Trains | 133 |
| Model Expo, Inc. | 14 |
| Model Railroad Planning 2009 | 115 |
| Model Railroader Books | 122, 132 |
| Model Railroader magazine | 129, 145 |
| Model Railroader Sweepstakes | 34-35 |
| ModelRailroader.com | 128 |
| Model Railway Post Office | 99 |
| Model Rectifier Corp. | 148 |
| Model Structures for | |
| Model Railroads | 136 |
| Model Trains By Design | 136 |
| Model-Trains-Video.com | 134 |
| Modellbahn Ott, Inc. | 135 |
| Modular Railroading | 136 |
| MTH Electric Trains | 25 |
| N | |
| N M R A | 33 |
| NCE Corp. | 129 |
| Nevada Northern Railway Museum | 101 |
| New Rail Models | 136 |
| Nicholas Smith Trains | 131 |
| NKP Layout Services | 136 |
| NMRA Northeastern Division | 14 |
| Norscot | 3 |
| O-P | |
| O Scale Resource | 134 |
| Original Whistle Stop, The | 26 |
| Osborn Model Kits | 134 |
| Pacific Western Rail Systems | 13 |
| Park Lane Hobbies | 136 |
| PECO Products | 17 |
| Plastruct, Inc. | 118 |
| Progressive Model Design | 136 |
| Prototypical Model Trains | 135 |
| Purimco Products | 133 |
| R | |
| R & R Digital, Ltd. | 135 |
| Railpub | 134 |
| Railroad Hobbies | 110 |
| Railroadbooks.biz | 134 |
| Rapido Trains | 56-57 |
| Ready to Roll, Inc | 121 |
| Rib Side Cars | 135 |
| Rix Products | 135 |
| RPS Railroad Positioning System | 133 |
| S | |
| San Diego Railroad Museum | 123 |
| Scale Models Arts & Tech, Inc | 121 |
| Scale University | 135 |
| Sedalia Hobby | 135 |
| Shelf Layouts Company | 118 |
| Showcase Express | 117 |
| Sievers Benchwork | 113 |
| Signature Press | 119 |
| Solid Design | 134 |
| SoundTraxx | 102 |
| Standard Hobby Supply | 41 |
| Summit USA, LLC | 135 |
| Sunbird Train Mart | 129 |
| T | |
| Tahoe Model Works | 133 |
| Tangent Scale Models | 111 |
| Temagami Station | 135 |
| The Coach Yard | 109 |
| Timberline Scenery | 42 |
| Tomar Industries | 134 |
| Tony's Train Exchange | 26, 123 |
| Toy Train Heaven | 135 |
| Trackside Displays | 113 |
| Trackside Layouts | 136 |
| Trackside Prints & Hobbies | 133 |
| Train Collectors Association | 120 |
| Train World | 18-21 |
| Trainboxes Plus | 133 |
| TrainPlayer Software | 99 |
| Trains and Treasures | 99 |
| Trains magazine | 130 |
| Trains Unlimited, Tours | 111 |
| trainsetonly.com | 135 |
| Traintek, LLC | 26 |
| Treatstation | 134 |
| Tweezight International, LLC | 111 |
| U-Z | |
| Ulrich Models | 134 |
| What-Detail! | 133 |
| Wig Wag, LLC | 133 |
| Willis Hobbies | 26 |
| Wm K Walthers | 31, 85, 103 |
| Woodland Scenics | 27, 117, 121 |
| Woodstock Hobbies | 135 |
| World's Greatest Hobby on Tour | 95 |
| Xuron | 102 |
| Youth in Model Railroading | 135 |

COMING NEXT MONTH



How to model a harbor step by step, water and all

Install a sound decoder in an old Atlas HO locomotive

Track and wiring tips for building our sectional layout

Make structures for a small town

Improve operation with clear-plastic waybill pockets

Build a coffee table for a small layout

Subscribe today!

1-800-533-6644

www.ModelRailroader.com

**Model
Railroader**
MAGAZINE

A NEW DAWN FOR THE DAYLIGHT



N SCALE



ALCO PA-1/PB-1

Prototype:

Build Date: 1946-1953
Weight: 139 tons
Horsepower: 2000 hp
Top Speed: 117 mph

Model:

- Illuminated number boards
- Prototypical golden glow headlight LEDs
- Powerful and smooth Kato flywheel drive
- Train numberboards for Daylight trains #98 and #99

The ALCO PA-1/PB-1 in Southern Pacific Daylight Colors

In the waning years of steam, the Southern Pacific railroad turned to alternative means of powering its "Daylight" name trains. In 1953, ALCO's "Glamour Girl" PA and PB units joined a handful of EMD E8 and E9 units to head up the "Morning Daylight". These locomotives ran in pairs, pulling the coastal train to-and-fro along the beautiful California coast between San Francisco and Los Angeles.



Coastal route via diesel: Like the GS-4, two different sets of diesel locomotives would have pulled the "Morning Daylight" trains 98 and 99 back and forth between Los Angeles and San Francisco.

- 10-car base set
- 2-car articulated coach set

SP Morning Daylight Locomotives

| | | | |
|----------|------------------------------|-------|------|
| 176-4104 | N ALCO PA-1 Southern Pacific | #6055 | \$95 |
| 176-4105 | N ALCO PA-1 Southern Pacific | #6056 | \$95 |
| 176-4111 | N ALCO PB-1 Southern Pacific | #5922 | \$95 |
| 176-4112 | N ALCO PB-1 Southern Pacific | #5924 | \$95 |
| 176-5307 | N EMD E8A Southern Pacific | #6018 | \$95 |
| 176-5308 | N EMD E9A Southern Pacific | #6046 | \$95 |

SP Morning Daylight Passenger Sets

| | | |
|----------|--|-------|
| 106-060 | N SP "Morning Daylight" 10-Car base set | \$250 |
| 106-6301 | N SP "Morning Daylight" Articulated Coach set #1 | \$50 |
| 106-6302 | N SP "Morning Daylight" Articulated Coach set #2 | \$50 |
| 106-6303 | N SP "Morning Daylight" Articulated Coach set #3 | \$50 |
| 106-6304 | N SP "Morning Daylight" Articulated Coach set #4 | \$50 |

KATO U.S.A., Inc.

100 Remington Road Schaumburg, IL 60173

www.katousa.com/N/PA/

Cross-Country and Cross-Town



SUPERLINER FEATURES

- Fully detailed interiors which can be illuminated with optional 7-503 Interior Lighting Kits with LEDs.
- Metal weighted bodies give prototypical momentum and reliable tracking.
- Smooth rolling trucks with blackened metal wheels, real rolling bearings, and shock absorber suspension.
- Includes special tight-lock kinematic couplers that allow the cars to ride extremely close without sacrificing turning radius.
- Marker lights on all non-lounge cars can be illuminated with an optional #958046 Tail Light Kit (included with each Superliner Coach, Sleeper, and Coach-Baggage).
- All details come factory installed and ready-to-run.

COMMUTER SERVICES Push-Pull out of Union Station



The RTA, predecessor of the Chicago Metra, ran push-pull services on the local lines in and out of the city; the short-distance Bi-Level cars providing an invaluable service to those looking to commute to-and-from work in the downtown area.

CHICAGO AND BEYOND

A common scene in the late 80's: Amtrak Bi-Levels and Superliners cross paths just outside Chicago's Union Station; the smaller passenger train returning from a day trip up to Wisconsin as the Superliner train prepares for an afternoon departure to the west coast.

EMD F40PH LOCOMOTIVES

| | | |
|---------|-------------------------------|-------|
| 37-6551 | EMD F40PH Amtrak Ph. III #375 | \$125 |
| 37-6552 | EMD F40PH Amtrak Ph. III #391 | \$125 |
| 37-6553 | EMD F40PH Amtrak Ph. III #400 | \$125 |
| 37-6561 | EMD F40PH RTA* #135 | \$130 |
| 37-6562 | EMD F40PH RTA* #157 | \$130 |

SUPERLINERS AND MHCS

| | | |
|----------|--|------|
| 35-6051 | Superliner Coach Amtrak Ph. III #34000 | \$59 |
| 35-6051A | Superliner Coach Amtrak Ph. III #34050 | \$59 |
| 35-6051B | Superliner Coach Amtrak Ph. III #34006 | \$59 |
| 35-6051C | Superliner Coach Amtrak Ph. III #34071 | \$59 |
| 35-6061 | Superliner Lounge Amtrak Ph. III #33000 | \$70 |
| 35-6071 | Superliner Diner Amtrak Ph. III #38010 | \$68 |
| 35-6081 | Superliner Sleeper Amtrak Ph. III #32002 | \$68 |
| 35-6081A | Superliner Sleeper Amtrak Ph. III #32030 | \$68 |
| 35-6091 | Superliner Coach-Baggage Amtrak Ph. III #31005 | \$68 |
| 35-6101 | Material Handling Car Amtrak Ph. III #1509 | \$49 |
| 35-6101A | Material Handling Car Amtrak Ph. III #1515 | \$49 |
| 35-6101B | Material Handling Car Amtrak Ph. III #1550 | \$49 |

BI-LEVEL CARS

| | | |
|----------|--|------|
| 35-6021 | Bi-Level 4 Window Cab/Coach Amtrak Ph. III** | \$57 |
| 35-6031 | Bi-Level 4 Window Coach Amtrak Ph. III** | \$50 |
| 35-6023 | Bi-Level 4 Window Cab/Coach RTA* #8713 | \$67 |
| 35-6023A | Bi-Level 4 Window Cab/Coach RTA* #8716 | \$67 |
| 35-6033 | Bi-Level 4 Window Coach RTA* #7700 | \$55 |
| 35-6033A | Bi-Level 4 Window Coach RTA* #7708 | \$55 |

* Chicago Regional Transportation Authority "Metra" Licensed Products

** Amtrak Bi-Levels include dry-transfer decals to allow customer-selected road numbers

MRC's Symphony 77 is a stand alone, plug 'n play unit with two powerful speakers, a robust amplifier, easy to use handheld control and real life, digital sounds



- More than 25 sounds
- All gauges
- Power supply included

{ Steam or diesel bell / Rail clack / Dynamic brake / Steam chuff or diesel rumble / Crossing gate / Uncoupling / Two programmable coupling sounds / Choice of multiple diesel horns / Pump / water / Fan/coal / Choice of multiple steam whistles / Conductor - "All Aboard" / Air Release / Brake / Random steam & diesel sounds to match selected loco mode. }

MRC's SYMPHONY 77

A RAILROAD SOUND SYSTEM THAT WILL BE MUSIC TO YOUR EARS.

CONDUCT A SYMPHONY OF SOUNDS...IT'S EASY

Symphony 77 features sound variety as well as maximum user controlled capability and operating ease. Enjoy more than 25 steam and diesel sounds, including a string of authentic sound-on-sound combinations. Simply plug into a standard AC outlet and play. The handheld's 8' cord gives you mobility around your layout.

- **User controlled variable speed...** instead of just a fixed steam chuff, or diesel idle, there are controllable, variable speed rate pushbuttons on the handheld for steam or diesel locos. Easily adjust the speed of the sounds to match loco speed. Use the volume knob to simulate the sounds of an approaching loco or one that's fading into the distance.

- **All pushbutton sounds can be retriggered** to stretch a sound for longer play, or start a whole new sound to cut off the existing one
- **Use the speed controls** on the handheld to take steam or diesel locomotive sounds and the clack of steel wheels from idle to full speed and everywhere in between
- **Using push button controls** select any one of several steam whistle and diesel horns
- **Control the volume** for key sounds
- **Create realistic** sound-on-sound combinations

MRC's SYMPHONY 77 ... THE SOUNDS OF MODEL RAILROADING WILL BE MUSIC TO YOUR EARS.



MODEL RECTIFIER CORPORATION
80 Newfield Ave. ■ Edison, New Jersey 08837 ■ Phone: 732 225 6360 www.modelrectifier.com

TECHNOLOGY. PERFECTED.

☐ Model railroads ☐ Plastic model kits ☐ Battery chargers ☐ Radio control helicopters, planes, cars & boats ☐ Model aircraft engines ☐ Die cast